

TGM VIDYANIKETAN, MARAVANTHURUTHU

CURRICULUM (2024-2025)

Grade – Play

SUBJECT- ENGLISH

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Experiential Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
*Art lines And patterns. *standing lines *sleeping Lines *slanting lines *curved lines *recognition Of letters A-C *rhymes *story Page no.3-17	7	Helps the children to holding their writing in correct way ,developing Muscles in their Hands, fingers And wrist.	www.argusacademy.in	Drawing , Creation, list all The knowledge About the topic ,watch, listen And observe.	Respond to Curiosity ,have Conversations, Solve problems together.	Constantly Encourage The child. The Child should Understand And learn.	Recognize and Trace the Letters.	Students Recognized And trace.	Paint, Colouring, Games, clay Modelling, Outdoor play, Music and dance.	Fine motor skills, improvement in eye-Hand co-ordination, Dexterity and Spatial Awareness.	Respect, Honesty, Hard work, Kindness, Gratitude, Sharing.	Card making.	Observation Performance Task, Learning-log Demonstrate-On.	Quiz,TP and Worksheet.
*art, lines and Patterns. *recognition Of letters D - F *rhymes *story Page No. 18 - 32	6	Writing in correct way, Developing Muscles in their hands, fingers And wrist.	http://bit.ly/3bs	drawing Creation, list all The knowledge About the topic Watch, listen And observe.	Respond to Curiosity, Have conversations Solve problems together.	Children Develop the Skill of patience.	Learn to trace The letters.	They are trace And Recognize.	Paint, Colouring Games, clay Modelling, Outdoor play Music and dance.	Letter picture Association, Pre-writing Skills.	Respect, Honesty, Hard work, Kindness, Gratitude, Sharing.	Letter wriing and colouring pictures	Observation, Performance Task, learning Log, Demonstration	TP and work Sheet.
*art,lines And patterns *recognition Of letters G - J *rhymes *story Page no. 35 - 50	5	Writing in correct way, Developing Muscles in their hands, fingers And wrist.	http://bit.ly/3b1cqkS	Drawing, Creation, list all The knowledge About the topic ,watch, listen And observe.	Make the children to tell some words Of the letters.	Children develop the Skill of patience.	Tracing letters For practice.	Students are Recognize And trace.	Expert practice on the letters and Different words.	Recognizing And associating Letters with Their Pronunciation.	Respect Honesty Kindness Gratitude Sharing	Sing a alphabetic soang	Observation Performance Task, Learning, Demonstration	TP and work sheet
*art, lines And patterns	4	Writing,	http://bit.ly/3b1cqkS	Drawing	Respond to	Study the	Tracing for	Students are	Explore the	Observation,	They will	Trace and		TP and

SUBJECT: GENERAL AWARENESS

Chapter Number and Name	No. Of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Experiential Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation	
*Colours This is me	5	Different types of flowers	Text book	They should aware about all the topics .	Show some pictures and objects to tell that name with spellings.	Red Yellow Blue Green Orange		Learning with interest.		Observation		Make a group Discussion		TP and work sheet.	
*My Body My Body Help Me	6	Body	Text book			*Head Hand Ears. *laugh Cry	By the end of this lesson Students will be able to Learn spellings, Reading, Picture's name.		Detailing about all the topics.	Creative thinking	Growth	Paste pictures	Individual Project		
*More about me *I feel I Can	6	About oneself		To understand Our body parts		I can do my things(brushing, teeth.. Etc.)		Active Learning							
*My home	5	Families are loving community	Text book	Our classroom		*Living room Bed room Father Mother				Self-awareness	Displace				Group Discussion
*My Family	6														
*My School Playtime *Fruits, Vegetable, Flowers.	6 7	My school Classroom Playtime Fruit Vegetables Flowers	Textbook	Different types of fruits, vegetables, Flowers		*School Classroom Playtime in park home. *Mango Grapes Banana					Protect nature				
*Animals	6	Animals	Text book	To know about different types of animals		Cow Cat Hen Dog			Detailing about all the topics.	Innovation Creativity	Protect our animals	Activityy		Group	
Hot and Cold *Sweet, Sour, Salty.	7	Hot Cold Sweet Sour Salty		Students will use their sense	Show some pictures and objects to tell that name with spelling	Different types of taste	Students will Learn identify The pictures.	Active Learning and Listening				Paste pictures	Individual project	Discussion	
*Hard and Soft Clothes we Wear *Seasons	6	Clothes Using different types of season	Textbook	To know about different types of clothes.		Rainy season Winter season Summer season					Wear different types of clothes				
	5			Discuss about vehicles	Show some		Students will				Moral values	Paste pictures	Individual	Group	

Let us travel *Spot the Difference		Safety	Textbook		pictures	Bus Aero plane Boat	Understand Modes of Transport	Thinking	Detailing about all the topics	Innovation			project	discussion
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SUBJECT: MATHEMATICS

Chapter Number and Name	No. Of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Experiential Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
*Same-difference *Big-Small *Tall-Short *Inside -Outside *Up-Down *Heavy-Light *More-Less	7	*To understand the concept of different *Concept of big and small *Grasp the concept of tall and short *Understand the concept of inside and outside -The concept of Up and down *Understand the concept of heavy and light *Understand the concept of more and less	Text book Text book Text book	They should aware about all the topics .	Show some pictures and objects to tell that name with spellings.	Same-different Big-Small Tall-Short Inside-Outside Up-Down Heavy-Light More-Less	By the end of this lesson Students Will Understand Different Types Of Mathematical Form	Learning with interest. Active Learning	Detailing about all the topics.	Observation Creative thinking	Growth Displace	Make a group Discussion Paste pictures Individual Project		TP and work sheet. Group Discussion
Numbers (1-3) Revision 1.ONE 2.TWO 3.THREE	5 4 6	Numbers Numbers Numbers	Text book Text book Textbook	To understand counting numbers To understand counting numbers	Recognize how can we count items Recognize how Can we count items	One Two Three	Identify and Realize the Numbers And its uses	Active Learning	Detailing about all the topics.	creativity Self-awareness	Growth Growth	Activity Paste numbers picture	Individual project	Identify the numbers and count it.

Grade – LKG

SUBJECT : ENGLISH

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Experiential Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
*Odd one out *stroke Practice *play house *letters A - H *Phonic sound *know the Sounds. Page no. 5 - 65 (term-1)	7	Pronunciation, Writing and Identification.	www.youtube.com	They should aware about Odd one, letters And their Sounds.	Show some Pictures and Objects to tell That name With sounds.	Understand Odd one, Practice the Lines perfectly, Thoroughly Learn the letters and sounds.	By the end of This lesson Students will Be able to Learn letters, sounds.	Learning By doing	Detailing About all the Topics.	Observation And sorting, Fine motor Skills for pencil, Recognition of Right, left and Capital and small letters.	They can study how to Trace and write.	Try to trace Letter and colour it.	Individual Project Tell 2 words From each Letters.	Quiz of sounds, TP And worksheet.
*rhymes *picture story *revision *letters I - T *Hand writing Page no. 4-71 (term-2)	6	Reading Writing Learning Identification.	www.youtube.com	They are familiar with the letters.	Identify the Letters and their Objects.	To study all The letters. Improving Hand writing.	Learn Thoroughly The letters.	Learning By doing.	Learning with Happy surroundings.	Letter picture Association, Pre-writing Skills.	Students will Learn letters And improve Hand writing.	Activity: Read it aloud.	Tell 2 words From each Letters.	TP and Worksheet.
PERIODIC ASSESSMENT – I (Page Number 5-65)														
*phonic Sounds *know the Sounds *mixed Reading list *rhymes *picture Stories	5	Oral, writing, identification.	www.youtube.com	They are Knowledge With letters And their Sounds.	Make the children to tell more words.	To study the Concept of Sounds, mixed Reading.	Learn about Different Sounds of The letters.	Study about Sounds to Read and understand.	Expert practice on the Letters and Sounds of the Situations Using different words.	Recognizing And associating Letters with Their sounds Pronunciation.	They will study how the Use of sounds Are related With the Words.	Individual Activity: Identify the sounds of letters..	Make more Words of Each sounds.	TP and Work sheet

Page no. 72-99(term-2)														
*revision *letters U-Z * my class Room Page no. 4-34 Term-3	4	Oral,writing, identification	www.youtube.com	They are Knowledge With letters And their Sounds.	Make the children to Write the letters Without help.	Study the letters and About the Class room.	Learn to Follow the letters.	Learn the Letters to Identify.	explore the word of each Letter.	Observation And sorting, Recognizing And writing Letters.	They will study the Letters to tell And write.	Activity: Letter name and recognize its shape.		TP

HALF YEARLY EXAMINATION (Page No. 72-99)

*writing a-z *a,e,i,o,u Words. Page no.35-56	8	Writing Learning Identification.	www.youtube.com	They are Learning Letters.	Make the children to write Small letters.	Study the small letters and also Vowels.	Learn to Follow the Letters.	Use letters To actions..	Expert Practice on The small Letters.	Recognizing The vowels and its sounds.	They will be aware about the letters and Vowels.	Prepare Vowel's Pictures in chart.	Paste any Objects of Vowel.	TP and Worksheet.
*rhyming Words of a,e,i,o,u *handwriting Page no. 57-66	3	To study writing, Learning, Recognizing.	www.youtube.com	They are familiar with the rhyming Words of a,e,i, O,u.	Let the students do all the vowels Mentioned in The chapter and Make them aware that sounds.	To study the Rhyming Words of Vowels.	Learn the Different Sounds of vowels.	Edit a Worksheet according to The needs. .	Learn the Vowels to identify.	Practice on The vowels.	Recognizing Rhyme in Word Families.	Tell the vowel soang.	Make some Rhyming Words of Vowels.	TP Picture paste.

PERIODIC ASSESSMENT – III (Page Number : 35 - 56)

*phonic sound Of the letters Uu-Zz *short sounds Of a,e,I,o,u *rhyming Word. Page no. 63-85	5	Write,learn, identify	www.youtube.com	They are familiar with Phonic sounds.	Let the students To tell the Phonic sounds And short Sounds.	Study phonic Sounds of the Letters,short Sound of a,e,I,o,u And rhyming Word.	Learn to tell And write Phonic and Short sounds.	Learn to tell Phonic Sounds.	Practice on Sounds.	Recognizing And learning Names and Sounds of letters , Blending sounds.	Learn to tell Phonic sounds and Short sounds.	Card making.	Sounds Paste.	TP
*in the jungle *sight words With revision *rhymes Page no. 86-99	5	Writing Learning identifying .	www.youtube.com	They are familiar with Sight words.	Let them to Learn sight Words.	Study sight Words.	Learn to Present sight Words,rhymes And story.	Learn to tell Sight words And its Spellings.	Practice of Sight words, Story and Rhyme.	Understanding Ending sounds Of rhyming Words.	Learn to tell Sight words.	Write sight words in small cards.	Make sentences from sight Words.	TP

ANNUAL EXAMINATION (Page Number : 57- 87)

SUBJECT : MALAYALAM

Chapter Number and	No. of	Key Concept	Resources	Prior	Sub-themes	Learning	Learning	Competency	Life skill	Ethics and	Activities	Integrated	Assessment
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PERIODIC ASSESSMENT – III (Lessons – 14 – 19)

22to20	6								Language skills				
24to27	,6								Identify Pictures				
27to29	6								Communication Skills				

ANNUAL EXAMINATION (Lessons – 20 – 27)

SUBJECT : HINDI

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
Pgno: 2 - 7	4		https://youtu.be/LWdz7upri8									Activity/Project:		
													Individual Project	

Number and Name	Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
Lesson 1 My Body	4	Body parts Five senses	Textbook	They should awareness about different types of body parts	Show some pictures and tell the name	Body parts Happy Sad Good Bad	By the end of lesson Students will able to Understand Different types Of body parts	They also get introduction to the concept of safe and un safe touch	Students gain an idea about our body parts	Observation, Self awareness	Growth		Individual Project	TP and Work sheets
Lesson 2 Colors	4	To know about different types of colours		To know about different types of colours	Identify primary and secondary colour	Colours	Learn colours	Understand different types of colours Identification colours	Show and tell.to talk about any color of their choice	Primary and secondary colour	Mixing colours	Paste different colours of objects	Group project	Group discussion
Lesson 3 Food	4	Keeping good and healthy habits	Text book	Different types of food items	Show some pictures and identify food items	Maintaining good habits	Know healthy Unhealthy fo	Understanding and un health	Awareness about the different taste of food	Self awareness,observation	Value of food	Paste food items pictures. Paste daily routine Picture	Individual Project	Group discussion
PERIODIC ASSESSMENT – I (Lessons – 1, 2, 3 & 4)														
Lesson 4 My House	6	Our House	Textbook	They should aware about our home or good and bad habits	Awareness of our daily routines	Cleaning Washing Brushing Bathing	Understand th Different portions of the house and the keeping the house tidy and Clean	Students deve idea of what looks like and of responsibi keeping neat	To identify different job related daily routine	Observation	Awareness of neatness	Paste different rooms	Individual Project	Group discussion
PERIODIC ASSESSMENT – I (Lessons – 1, 2, 3 & 4)														
Lesson 5 My School	4	Awareness of our school and Classroom objects Maintaining Good food habits in our school	Textbook	Concept of our school To know about our classroom, school and classroom object.	Rules and regulations of our school	Our class room Good habits in school Office Staffroom Teachers room Classroom Play ground Before and after wash.	Students will have an overa understanding school and th facilities ther Learn about o school System	Explore the school premises and the various facilities with in the school	Observing the different areas and rules	Observation	Understood the rules and regulations	Paste related objects		Group discussion

						Our hands having food								
Lesson 6 Our Neighborhood	6	Relationship	Textbook	Good Relationship	Students gain an awareness about personal relationship	Personal relationship	Have an idea of good relationship.	Students gain an awareness good relationship.	Students learn to identify good relation	Students gain new vocabulary	Understand good Relationship	Understand good relationship	Individual Project	Group discussion
Lesson 7 Animals	5	About animals and birds	Textbook	To know about different types of animal birds, small species around our surroundings.	Protect our animals	Wild and domestic animals	Learn animals	Identify different types of animals	About animals and their young once	Wild and domestic animals	Showing charts	Paste wild and domestic animals		Group discussion

HALF YEARLY EXAMINATION (Lesson- 5, 6 &7)

Lesson 8 Plants	5	Fruits and Vegetables Different types Of flowers	Textbook	We love our nature. We take care of our plants To know about beautiful flowers	Protect our nature and plants	List of a plant World of a plant Fruits and Vegetable Plants our friends Beautiful flowers	Plants are very useful To us	Plants, Flowers are Beautifying Our nature.	Parts of a plants and uses of plants	General awareness about the wider world	Showing related charts	Paste parts of a plants fruits and vegetables	Individual Project	Web Designing
Lesson 9 Indoor and outdoor games	6	Talk about some more indoor and outdoor games	Textbook	They are familiar with games	Name some of the common games	Students gain new knowledge about games	At the end of the lesson students get an idea about games	Students learn to identify games	Importance of games	Students gain new games	Students gain an understanding Of the games and rules			Group discussion
Lesson 10 Travel	4	Identify mode of transports	Textbook	Children know different type of transports	Air land and water transports	Students gain an idea of travels	Understand the value of vehicles	Transport which help us to carry goods and services from one place to another	Transportation facilities	General awareness of social skill	Improve our knowledge about different type of transportation	Different Type of transportation	Individual Project	Group discussion

PERIODIC ASSESSMENT – III (Lesson 8,9 &10)

Lesson 11 Up in the Sky	4	Students have an idea about sky	Textbook	Children observe the daytime and Afternoon regularly	Students gain an idea about sky	Understood Day and night	Understood the value of daily life	Students gain vocabulary And awareness of day	Unique characteristics of day and night	vision	Value of time	Different activities of day and night	Individual Project	Oral Test
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								or night time activities						
Lesson 12 Weather	8	Identify the seasons	Textbook	To know about Season change	Seasonal changes	Winter,rainy,summer season	Students will be able to know the unique characteristics of Main seasons	Students gain awareness of the three main seasons of our country	Different Types of seasons and Understand the day of the week	The awareness of seasons	Charts and calendar	Paste season related pictures	Individual Project	Group discussion
Lesson 13 Air And Water	4	Uses of water	Textbook	Importance of air and water	Understand the uses of water and air in daily life	Air and water								

ANNUAL EXAMINATION (Lesson 11, 12 & 13)

SUBJECT : MATHEMATICS

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Experiential Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
Chapter:1 Comparisons	5	Comparisons	Textbook workbook flash cards,pictures	Child Recognizes comparisons	Counting items	same/ Different, big&small, heavy& light, tall& short, thick& thin, long& short,	Students will be able to make various kinds of comparisons and extend their awareness about comparisons to practical life	Students gain an awareness of size, length, height, and so on and a sense of making various kinds of comparisons	Students make various kind of comparisons and extend their awareness about comparisons of practical life.	communication skill.	Everyday classroom objects and toys which are all readily available in a typical classroom can be used to introduce the concept of different comparisons and activity using Paste objects, related to comparisons	Listening	TP Related games, and showing pictures and to ask different comparisons	Colouring drawing, circling& pasting
Chapter:2 Pre-Number concepts	4	pre number concepts	showing cards for matching objects, Textbook, & pictures	Child identify grouping sorting etc	Counting objects	Matching Grouping Equal More	Students will be able to understand different kinds of relationship between various objects on the basis of common features.	Students gain knowledge about various kinds of relationships based on common features and ideas about concepts such as more less and so on.	Students understand different kinds of relationship between various objects	fine motor skill,communication and collaboration	Sorting , grouping, pasting	Vision & listening	Grouping sorting	Colouring pasting

PERIODIC ASSESSMENT 1 (Lesson- 1 & 2)

Chapter:3 & 4 Numerals 1to 5 Number names 1 to 5 & The number zero	10 3	Students recognize numbers 1-5 & count objects * Students will be able to have an overall understanding of the concept of 0	Textbook Flashcards Number charts Number song	Child Identifies numerals 1to 5 and Recognises the number words * Child identifies the concept of zero	Gounting items grasp of number concept knowledge to relate number quanties	Numerals 1 to 5 (rainbow writings - start from the dot to trace the number) * Number zero	Students will be able to recognize numbers 1-5 and count object and write the numbers * Students will be able to zero the concept of nothingness	Students gain an idea of the sequential order of numbers 1-5 and the value of each number * Students gain an appreciation of the concept of 0 and an idea of diminishing value of numbers.	Students develop the ability to quantify various things in real life * identity the value of the number 0	Observation & Identification 21 st century: Flexibility and adaptability. * The value of zero in daily life.	count and write Pasting objects Numbergames Number songs * pasting Sorting	Vision & listening * """"	TP Count and write the correct number Grouping Sorting * """"""""	Pasting colouring making number cards etc * pasting 0 objects
Chapter :5 Shapes	5	Primary shapes	Models(Shapes)	Child Recognises Shapes	Observe the shapes of their own sourroundings items	Triangle rectangle circle and square	Students will be able to recognize primary shapes and understand the utility of Shapes in day to day life	Students learn about shapes and their practical applications	Students develop an appreciation for basic shapes and the ability to look for the real life situations	Shapes triangle rectangle and square 21 st century communication and collaboration	Define shapes using shape cards	Vision	Identify shapes and their sides	Make a model of shape,paste shapes & colouring

HALF YEARLY EXAMINATION (PORTION- 3, 4 & 5)

Chapter:6 Spatial Relations	8	identify spatial relations	Textbook, pictures, cards, drawings	Understand various kinds of spatial relations	Identification of places positions	compairing numbers and ordinal numbers	Students will be able to understand the value of numbers relative to other numbers	students gain an idea of increasing value of numbers and an awareness of the number line	Students develop and understand different relations of numbers	. 21 st century comparing and comunications	paste ordinal numbers	Vision	Classroom activity related games	paste differnt objects related portions (ordinal numbers)
Chapter:7 Comparing numbers and ordinal numbers	3	Understand the vslue of numbers relative to other numbers	Textbook workbook pictures & work sheets	Child Identifies and Recognises the numeral that comes just before after and between objects	Position of objects persons etc	Above middle below, left & right, between before after, Number patterns and shape patterns	Students will be able to understand before after and between numbers	Students learn about before after and between numbers	Students develop number sense	observation Identification eye hand coordination 21 st century critical thinking	Workbook and textbook exercises	Listening and vision	What comes just before after and between numbers	Draw number patterns
Chapter:8 I know my numbers 6 to 10	10	Numbers and number names	Textbook workbook number games number cards number songs	child recognize numbers 1 to 10	Counting numbers	Numerals 6 to 10to , write the Numerals	Students will be able to the number 1 to 10 .look at	Students learn the value of numbers and how	Students develop the ability to quantify various	Number recognition, fine motor skills 21 st century problem solving and	Fill in the missing numbers. Between numbers after	Listening and vision	Textbook workbook exercises	Draw a number chart 1 to 10 Pasting

							different ways of composing numbers 1 to 10 and arrange the numbers in a given order	number concepts help them in real life	things in real life	communication	numbers and before numbers.			number and number names
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PERIODIC ASSESSMENT III (Lesson- 6, 7 & 8)

Chapter: 9 More numbers 11 to 50	20	Numbers and number names	Textbook workbook number games number cards number songs	Identifies numerals up to 50	Counting items	Students will be able to count the numbers 11 to 50	Students gain an idea of the structure of numbers and the sequential order of numbers 11-50	Students learn the value of numbers and how number concepts help them in real life	Count the numbers 11 to 50	Number and number names	Prepare number chart, paste number and number names,	Listening and vision	TP Fill in the missing numbers Matching numbers	Paste number and number names
Chapter:10 Getting Ready for Addition	10	Simple addition	Text book Addition table chart Using object and to add	To addition by adding 1 and 2 on a number line	Increasing the objects	simple addition	Students gain logical reasoning skills an introduction to the concept of addition and the various approaches to solving simple addition problems	Students will be able to do addition by adding 1 and 2 on a number line	Students developed simple addition in daily life	Simple addition related to objects	Draw and add simple addition	Problem solving	TP To solve simple addition	To paste / draw simple addition
Chapter:11 Getting ready for subtraction	10	Simple subtraction	Textbook Object and to subtract	Identity simple subtraction	Decreasing the objects	Simple subtraction	Students will be able to have an idea of subtraction by 1 and 2 to do subtraction by taking away 1&2	Students gain logical reasoning skills and introduction to the concept of subtraction and the various approaches to solving simple subtraction problems	Identity simple subtractions	Problem solving	Classroom activity & prb solving with the help of objects	Problem solving	TP To solve simple subtraction	To write more examples of subtraction

ANNUAL EXAMINATION (Lesson -9, 10 & 11)

Grade – UKG

SUBJECT : ENGLISH

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Experiential Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
*Revision A - Z *Reading Words and Phrases *Tracing and Writing Picture name. Page no. 4 - 49	5	Writing, Reading, Learning and Identification.	www.youtube.com	They are aware about the letters.	Show some Pictures and Objects to tell That name with Spellings.	thoroughly Learn the letters, learn to read words and phrases, write The pictures Names.	By the end of This lesson Students will Be able to Learn Spellings, Reading and Picture name.	Learning by doing.	Detailing about all the Topics.	Observation Tracing Art integration And ability To understand.	They can study how to Trace and write.	Try to make Each letter in a card.	Individual Project Tell two Words from Each letter.	Quiz ,TP and Work sheet.
*vowels and Consonants And their Revision. *vowels a,e,i,o,u and Their revision. *handwriting [stroke Practice] *writing of Cursive Letters. Page no. 50 - 70	6	Writing Reading Identification And learning.	https://goo.gl	They are familiar with Vowels and Consonants.	List out the names of vowels and Consonants Objects.	To study about vowels and consonants. Improving handwriting.	Learn Thoroughly Vowels, Consonants And cursive Letters.	Learn to tell Vowels and Consonants.	Identification Of vowels And consonants.	Fine motor Skills. Tracing And writing Capital and Small letters	Students will Learn number Of vowels And Consonants.	Activity: Reading and writing vowels and consoants.	Paste Vowel's Objects.	Quiz of Vowel's words
PERIODIC ASSESSMENT – I (Page No. 4-50)														
*phonics *vowel recall *know the Sounds *short and Long sounds. Page no. 72 - 88	6	Reading Writing Understanding And learning.	https://bit.ly/	They are familiar with Phonics and Vowel sounds.	Make the children to do more words of Sounds and vowels.	To study the Phonic sounds Vowel sound And short And long Term sounds.	Learn about Different Sounds and Words.	Study about Sounds where Should use.	Expert practice on the Sounds and Show any Example of The situations Using different sounds.	Understanding Short and long Sounds of Vowels.	They will study how the Sounds use In the words.	Individual Activity: Tell the sound Of tetter and name.	Paste phonic Sound's Picture.	Quiz of sound Words and Vowels, TP
*word maker Another sound Of 'a' *hard and soft	5	Uses of sounds To learn Reading.	https://easyteaching	They are using sounds.	Make the children to tell Them to use the	To study about how to Build words,	Learn to Follow Sounds.	Learn the Sounds of Each letters.	Explore the Sound of Letters.	Productivity and Innovation,	Building C-v-c words, Understanding	Reading and writing the teters.		Build c-v-c Words.

Sound of C and g *rhymes *picture Stories. Page no.89-95					Sounds by Following the Words.	Hard and soft Sounds of letters.					Creativity, Art integration, Flexibility and Adaptability	Hard and soft Sounds of Letters.		
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HALF YEARLY EXAMINATION (Page No. 50 - 90)

* rhyming Words *A and An *One and More *'where' Words. Page no. (term-2: 8-40)	6	Use of A and An , 'Where' Words.	#kidsareonline	They are familiar with Rhyming words, use of A and An, One and more.	Tell the students to uses of A and An. Understand One and more. Use of where Words.	Study the use Of A and An, Where and understand One and More.	Learn in detail about A and An , 'where' words	Use A and An 'where' properly.	Make A and An , 'where' words.	Vocabulary Building, Receptive and Expressive Skills.	They will be aware about the use of A And An, 'where' words Neatly and Correctly.	Activity/ Project: Prepare A and An words in a card.	Paste A and An pictures.	TP and Worksheet.
*This/That These/Those *Yes and No *Is this ...? *are these...? *action words *blends Page no. 40 - 64	5	Grammar Should learn From the given Topics.	www.youtube.com	They are familiar with all the teaching topics.	Let the students do all the words mentioned in the chapter and make them aware that the use of the given Tools.	Study in detail About the This,that, These,those, Yes or No Questions, Is /this...? Or are these..?	Learn the Different features of grammar.	Make sentence According To the needs .	Making and Using Grammar words properly.	Reading Writing Understanding Basic grammar Concepts Through visuals and Spoken language.	Students will study be neatly to use The grammar.	Activity: Make a sentence.		

PERIODIC ASSESSMENT – III (Page No. 8 - 54)

*sound of Animals *opposites *colours *word pairs *she,he,it Page no. 4-18	5	Learn the animal sounds'write opposites and learn colours Use she,he,it	www.youtube.com	They are familiar with Grammar.	Trying to Improve hand Writing and grammar	Learn sounds and blends.	Learn to use Sounds and blends.	Learn to use Of sounds And blends.	Create Happiest Surroundings To learn.	Recognizing And using Consonant Blends and Sounds.	Learn to use Different Sounds in Words.	Activity: Create blend words.	Individual Project Paste blends	TP and worksheet
*I am ,you are *days of the Week and Months *sounds *sight words Page no. 23-67	6	Students should Learn to Reading Sight words,and learn all grammar.	www.youtube.com	They are familiar with grammar	Trying to read sight Words so that They can learn to read sentences.	Proper Study of grammar.	Repeat Learning of grammar.	Understand The all topics In the Grammar.	Create happiest Classroom.	Phonological Awareness And Pronunciation.	Learn to use The grammar parts.	Read the sight words.		

ANNUAL EXAMINATION (Page No. 4- 67)

SUBJECT : MALAYALAM

CLASS- UKG

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Subthemes	Learning Objective	Learning Outcome	Competency Learning	Life skills 21 st century	Activity	Art Intergrstion	Ethics and Values	Assiesment
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PERIODIC ASSESSMENT – I (Lessons – 1 – 7)

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HALF YEARLY EXAMINATION (Lessons – 8 – 14)

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PERIODIC ASSESSMENT – III (Lessons – 15 – 18)

पाठ्यक्रम -18to21 पाठ्यक्रम पाठ्यक्रम	5	पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम	पाठ्यक्रम पाठ्यक्रम	पाठ्यक्रम पाठ्यक्रम	पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम	पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम	पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम	पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम	Observation	पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम		पाठ्यक्रम	पाठ्यक्रम
पाठ्यक्रम -22 पाठ्यक्रम ,,.,,.,.	5	पाठ्यक्रम पाठ्यक्रम	पाठ्यक्रम पाठ्यक्रम	पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम	पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम	पाठ्यक्रम पाठ्यक्रम	पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम	पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम	Observation	पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम		पाठ्यक्रम	पाठ्यक्रम
पाठ्यक्रम -23to24 पाठ्यक्रम पाठ्यक्रम	5	पाठ्यक्रम पाठ्यक्रम	पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम	पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम	पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम	पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम	पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम	पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम	Observation	पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम		पाठ्यक्रम	पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम

ANNUAL EXAMINATION (Lessons – 19 – 22)

SUBJECT : HINDI

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
Pgno: 1& 2 पाठ्यक्रम (पाठ्यक्रम)	4	पाठ्यक्रम पाठ्यक्रम	https://youtu.be/LWd_z7upri8	पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम	पाठ्यक्रम पाठ्यक्रम	पाठ्यक्रम पाठ्यक्रम	पाठ्यक्रम पाठ्यक्रम	पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम	पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम	पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम	पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम	Activity/ Project: पाठ्यक्रम पाठ्यक्रम	Individual Project	पाठ्यक्रम
													पाठ्यक्रम पाठ्यक्रम पाठ्यक्रम	पाठ्यक्रम
Pgno:	4	पाठ्यक्रम पाठ्यक्रम	https://youtu.be	पाठ्यक्रम पाठ्यक्रम	पाठ्यक्रम	पाठ्यक्रम	पाठ्यक्रम पाठ्यक्रम	पाठ्यक्रम पाठ्यक्रम	पाठ्यक्रम	पाठ्यक्रम	पाठ्यक्रम	Activity:		पाठ्यक्रम

Chapter:6 *Colours	4	Different types of Colours	Text book	Family relationships	Giving happiness.	Small, large and Join family	Learn colours	Understand diffe of colours Identification Of colours	Colours	Primary and secondary colours	Mixing colours	Paste different colours of objects	Individual project	Group discussion
Chapter:7 Be safe every Where and They help us	6	Help always.	Textbook	To know about different types of colours. Community helpers	Identify primary and secondary colour	Colours Community helpers	Understand different types of community helpers	Different types of jobs related to our daily life	Different classification of jobs	Community helpers	Showing charts and their Position	Paste community helpers	Individual project	Group discussion
Chapter:8 Animals	8	About animals and birds	Textbook	To know about different types of animal birds, small species around our surroundings	Maintaining good Relationship with our helpers	Wild and domestic animals	Learn animals	Identify different types of animals	About animals and their young once	Wild and domestic animals	Showing charts	Paste wild and domestic animals	Individual project	Group discussion

HALF YEARLY EXAMINATION - (Lessons - 5, 6, 7 & 8)

Chapter:9 Plants	10	Fruits and Vegetables Different types Of flowers	Textbook	We love our nature. We take care of our plants To know about beautiful flowers	Protect our animals	List of a plan World of a plant Fruits and Vegetable Plants our friends Beautiful flowers	Plants are very u To us	Plants, Flowers are Beautifying Our nature.	Parts of a plants and uses of plants	General awareness about the wider world	Showing related charts	Paste parts of a plants fruits and vegetables	Individual project	Song
Chapter:10 *Weather	8	Identify the Seasons	Textbook	To know about season change		Winter season Rainy season Summer season	Students will able to know the unique characteristics seasons			Awareness of seasons	Charts and calendar	Paste months in a year	Individual project	Song
Chapter:11 Festivals	6	National festivals	Text Book	We celebrate our national festival	We respect our nation.	Republic day Gandhi Jayanthi Indepence day	Festivals are Celebrate all over the Nation.	To improve Our Knowledge About our Religious Festivals And national Festivals.	Understand different types of festivals celebrated different states	awareness and social skills	Celebrations	Paste nationals	Individual projects	Group Discussion

PERIODIC ASSESSMENT - III (Lessons - 9, 10 & 11)

Chapter:12 Transport	5	Mode of transport	Text Book	Transport which helps us to carry goods and services from one place to another.	Carry loads and services	Moves air water and land	We respect our nation.	Improve Our Knowledge About Different Type Transportation	Different types of transportations	General awareness of social skills	Different types of vehicles charts	Paste land water& air transport	Individual projects	Group Discussion
Chapter:13 *Living and Non Living natural Made and made By us	8	Natural and manmade things	Text Book	Living and non-living things	Recognise living and non living things	Related to surroundings and man made things	Carry loads and services Recognise living and non living things	Improve Our knowledge About	Explore the world around them	Observation skill	Discuss related objects	Paste living and non living things	Individual projects	Group Discussion
Chapter:14 Machines My computer	5	Computer is an electronic device	Text Book	Computer, electronic machines made by man	Machines are non living items. Trees are living	Computer Fan Fridge Tree Hen Human	Machines are non items Trees are living	Uses of new technology	Uses of technology related to day to day life	Critical thinking	Visit to computer lab and introduce various parts & uses of computer	Draw a parts of a computer	Individual projects	Paste Pictures
Chapter:15 Road signs	5	Important of road signs	Text Book	Stop, right, left, these are the road signals provide safety for everyone.	Keep safe.	Stop Right Left	Keep safe	Introduced road signs	To connect signs in day to day life	Observation	Road signs chart	Draw road signs	Individual projects	Role Play

ANNUAL EXAMINATION (Lessons - 12 ,13, ,14 & 15)

SUBJECT: MATHEMATICS

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning objectives	Learning outcome	Competency Based Learning	Life Skills/21 st century skills	Subject Enrichment	Ethics and Values	Multiple Assessment	Assessment
Chapter:1 & 2 Numbers and number names 1 to 10	10	Number concept	Textbook Number cards Number song	Students learn early number concepts and to look for common features	Counting items, Number concept knowledge to relate number names to number quantities	Number and Number names 1 to 10	Students will be able to have a clear grasp of number concept 1 to 10	Students gain a firm grasp of number concepts 1 to 10 the skills to compare various groups of objects	students learn about number values to compare various quantities and make different	Observation Number recognition and counting 21st century skills communication	Increasing and decreasing order of numbers sentence formation using numbers	Vision Listening	Draw Draw and write numbers in order	TP, make a number chart in order numbers 1 to 10

									numbers	n and collaboration problem solving				
Chapter: 3 & 4 Numbers and Number names: 11 to 20.	10	Number concepts	Text book Number chart Number songs	Students learn early number concepts and to look for common features	Counting items, Number concept knowledge to relate number names to number quantities	Number and number names 11 to 20	Students will be able to have a clear understanding of the numbers 11 to 20. & name numbers up to 20 have a clear idea of these numbers	Student knowledge of number names up to 20 and the ability to relate them to number quantities	Students learn about number values to compare various quantities and make different numbers	Observation number recognition and counting 21st century skills communication and collaboration problem solving	Increasing and decreasing order of numbers sentence formation using numbers	Listening & Vision	Draw and Colouring numbers	Make a number & Number names chart in order numbers 11 to 50

PERIODIC ASSESSMENT 1 (Lesson – 1, 2, 3 & 4)

Chapter: 5 Shapes around us	8	Primary shape	Shapes cards Textbook	Recognize basic shapes	Observe the shape of their own surroundings items	Triangle Rectangle Circle Square	Students will be able to recognize primary shapes and understand the utility of shapes in day today life.	Students gain an awareness of basic shapes and the ability to recognize them in real life situation	Identity and understand Primary shapes	Observation Sequencing and fine motor Skills 21 st century skills develop to thinking skill	draw or make basic shapes	Vision and listening	The ability to understand and recognize shapes	Make primary shapes Draw and colour the shapes TP
Chapter: 6 Ordering by size and weight	6	Identity Size and weight	Flash cards in related objects Textbook	Recognize different types of measures and weights	They can find out height, weight and length etc	Longest Shortest Biggest, Smallest, Tallest, Shortest, Thickest, Thinnest, Heaviest, Lightest	Students will be able to understand concepts such as longer taller thicker shortest smallest thinnest and so on.	Students learn different forms of comparison and their practical application	Identity different forms of comparisons	Critical thinking	To recognize different forms of comparisons	Vision	The ability to understand different types of comparison	TP Draw and measure height, weight, and so on Paste related objects
Chapter: 7 Counting in tens till 100	8	Counting tens	Textbook Charts, group with tens objects	Identifies tens till 100	Counting two digit items	Tens		Students will be able to count till number 100, group numbers up to 100 and compare	Students learn number concepts up to 100 and to manipulate	Critical thinking and problem solving	Count numbers up to 100 & group numbers up to	Listening & Vision	Identifies tens up to 100	Paste tens

							Tens, before & after numbers, largest and smallest numbers	numbers up to 100	numbers up to 100		100 & compare numbers up to 100			
Chapter: 8 Ascending and descending order	6	Number arranging bigger to smaller and smaller to bigger	Textbook workbook number songs and videos	Children learn to arrange numerals in ascending and descending order	Number arranging bigger to smaller and smaller to bigger	Arrange biggest to smallest number smallest to biggest number	The numerals are arranged from the largest to smallest and smallest to largest.	Arrange the Numbers In order	Learn the value of numbers and how number concept help them in real life	Observation association and sequencing 21st century critical thinking and problem solving	Joining number dots to complete a picture	Vision and listening	Arrange the numbers till 10 on number cards	Circle the bigger and smaller number

HALF YEARLY EXAMINATION (Lesson- 5, 6, 7 & 8)

Chapter: 9 Numerals 51 to 100	6	Identify the numerals 51 to 100.	Textbook workbook number song videos number cards	Understand to count up to 100	Counting items	Numerals 51-100 Greater than less than and equal to	Students will be able to have a sound idea of numbers 51 to 100 and write them	Students learn numbers 51 to 100 their quantities and compare numbers up to 100	Students develop number concepts and the ability to write up to 100	Observation identification comparison counting communication 21st century productivity and accountability	Forming 2 digit numbers using number cards	“ “	Joining dots in the correct order to complete the number chart	Test paper what comes just before after and between numbers. Put a sign > < =
Chapter: 10 Ordinal numbers and ordering	6	Positions	Charts related pictures Textbook	Identifies positions	Position of objects, person etc	Ordinal numbers	Students will be able to know the concepts relating 1st, 2nd and so on and understand the logical sequence in which events happen	Students learn about ordinal numbers and sequence of events	Students gain a sense of sequential numbering and reasoning	Critical thinking	To make a positions	Listening	Classroom activities	TP Position games
Chapter: 11 Number chart and skip counting	10	Skip counting 2's, 5's and 10's. Skip identifying number names 51 to 100	“ “flash cards number charts	Students understand to count up to 100 and skip count in 5's & 10's	Repeated addition	Counting tens and 5's Tens and ones. number names 51 to 100 what comes just before after and between numbers	Students will be able to handle number charts up to 100. Count up to 100 with its help and skip count in 5's	Students develop the ability to skip count and the ability to count up to 100	Students explore number concept up to 100	Number recognition fine motor skills 21st century critical thinking problem solving	Fill in the missing numbers	Listening and vision	Make a number chart Draw or write 2's & 5's	Test paper what comes before after and between numbers
Chapter: 12 measurement and patterns	6	Measuring height, weight, length etc & Arrange Patterns	pictures showing different patterns	Understand the ability to think logically	From the nature we can find out patterns	Measurement height weight & length & Patterns	*students will be able to understand basic concepts relating to measurements and appreciate	Students gain an idea of comparing lengths and an understanding	Students develop the ability to think logically	Sequencing fine motor skills 21st century students develop the	Completing a pattern & measurements	Vision and listening	Identify patterns to natural and man made shapes creation and	Textbook exercises Paste related objects

							the practical value of concepts relating measurement	of concepts relating to measuring lengths		ability to think logically			innovation	
							Students will be able to solve problems involving patterns shapes and so on and apply the various concepts already learnt to solve practical problems	*Students gain basic logical thinking and to look for various kinds of underlying relations						

PERIODIC ASSESSMENT - III (Lessons- 9, 10, 11 & 12)

Chapter : 13 Addition up to number 10	8	Simple Addition	Textbook <u>table chart with objects</u>	Child responds to number problems adding one	Increasing the objects	Simple addition	Students will be able to do simple, single digit additions up to 10 and write simple addition statements	Students learn simple addition and addition statements	Students develop skills for addition and ability to apply these skills in daily life	Observation adding and communication on 21st century students explore the world of addition and the practical application of addition skills in daily life	Addition facts using match sticks	Listening and vision	Addition facts using real life objects	Simple addition work. Text book exercises
Chapter: 14 Subtraction up to number 10	8	Simple subtraction	Textbook More example using black board & pictures	Child responds to number problems subtracting one	Decreasing the objects	Simple subtraction number stories	Students will be able to do simple subtraction and understand the concept of things being taken away	Students gain basic ideas about things being taken away and the ability to do simple subtraction	Students develop the ability to do simple subtraction	Observation subtracting communication on 21st century critical thinking and problem solving	Phone subtraction stories using pictures	Listening and vision	Works in group to form subtraction number stories using a reference picture	Textbook and workbook exercises
Chapter: 15 Time	5	Concept of time	Text book model clock time chart	Child tell time by the hour	Identify day and night	Clock	Students will be able to understand the basic concept	Students gain and awareness of the concept of	Students explore concepts related to day and	Observation association and measurement 21st century	Paste clocks	Vision	Reading time from a clock Make a model of	Showing clocks and read the time

							related to daytime and night time and reading the clock	time and ability to tell time	night and time	communication and collaboration			clocks	
Chapter :16 Money	5	Concept of money	Coins and rupees	Value of money	Comparing coins and currencies	Coins and currency	Child recognise the value of coins and currency notes of different denominations	Students gain and awareness of the concept of money	Students explore concepts related to day to day life	Observations recognition find Motor skills 21st century critical thinking and problem solving	Paste pictures of coins and currency notes	Vision and listening	Creation of vegetable shop	Identify coins and currency notes

ANNUAL EXAMINATION (Lessons – 13, 14, 15 &16)

Grade – I

SUBJECT: ENGLISH

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Subthemes	Learning Objective	Learning Outcome	Competency based learning	21 st century Life Skills	Ethics and Values	Subject enrichment	Multiple Assessment	Evaluation
1. FAIRY DANCE	6	Imaginative	S Chand online resources	Cartoon characters	Naming things from the lesson ,,opposites	*short vowel sounds *Naming words	Writing about on exit	Talking about things * Know short vowels	Inferential, MCQs	Observation *Oral communication collaboration	Know more about some famous cartoon characters	Learning and reciting a poem	Write the name of your favourite cartoon characters	Colouring a picture and naming the colours used
A HAPPY CHILD (POEM)	4	Childhood emotions	Movie clippings	Childhood experiences	Rooms in a house	*Rhyming words *Alphabetical order	Share emotions	Experiencing different emotions	Inferential, MCQs					Drawing and colouring

PERIODIC ASSESSMENT 1 - (Lessons - 1)														
2. MINTO GOES FOR A WALK	7	Animals, surroundings	Story book	Travelling experiences	Choosing the correct word ; animals and their sounds	*singular and plural * usage of ' is ,am,are'	Share your travelling experiences	Talking about favorite place	Inferential , MCQs	Thinking and reasoning *Visual literacy	Self awareness	Talk on a given topic	Write five lines about your pet animal	Writing a short composition on a given topic
3. DIWALI – The Festival of Lights	8	Festivals	Video clippings story book	Favourite festivals	Using words from the lesson ;naming festivals	*Action words	Completing sentences using picture clues	Reading aloud and spelling words from the lesson	Factual,inferential,MCQs	discussion *Oral communication thinking and reasoning	Emotional skills	Talk on a given topic	Write about your favourite festival	Writing a short composition on favourite festival
HALF YEARLY EXAMINATION - (Lessons - 2 & 3)														
5. THE ANT AND THE GRASSHOPPER	7	Moral based ,animals : seasons	Story book video	Know about value of hard work	Writing about likes and dislikes	*Pronouns	Completing sentences to describe the importance of hard work	Listening and writing True or False	Inferential , MCQs	Creative thinking *Social skills	Self awareness	Role-play	Mention any five good qualities	Write about the importance of discipline in life Poster making
PERIODIC ASSESSMENT - III (Lesson - 5)														
6. THE CAP SELLER AND THE MONKEYS	6	Clever trick	Flash cards Story books	monkeys	Write about people who help us	*Describing words *punctuation	Picture composition	Enacting the play	Sequencing the story	Thinking skills *Visual literacy	Writing	Talk on a given topic	Make pluck cards	Write a picture composition by completing the sentences
7. THE BOY WHO CRIED WOLF	7	Moral story	Movie clippings (Jungle book)	Animals and their sounds	Helping others	*position words	Write a thank you note	Enacting animal roles	Inferential ,MCQs	Effective communication *Visual literacy thinking and reasoning	Thinking and reasoning	Write a thank you note	Roleplay	Writing about helping people
ANNUAL EXAMINATION - (Lessons - 6 & 7)														

SUBJECT : MALAYALAM

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HALF YEARLY EXAMINATION – (Lessons - 3 & 4)

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PERIODIC ASSESSMENT – III (Lessons - 5 & 6)

PERIODIC ASSESSMENT - 1 (Lessons - 1, 2 & 3)

4 our food	5	Types of food	www.ipgbook.com	Specialties of various foods	Keeping good food habits	*names of food items	To appreciate the healthy habits	To study about various specialities' of keeping good habits	Differentiate foods	Remembering	Integrity	Assignment		activity
5.houses	5	Different types of houses	Knowledge of houses	Specialties of big and small houses	Protection of our history	*pucca houses Kuccha houses	To appreciate the builders	To study about the names of various houses	Differentiate the different houses	Remembering	Integrity	Draw and colour	assignment	activity
6 my neighbourhood	5	clean and hygiene	www.indiamart.com	Knowledge about places	Uses of neighbourhood	*post office hospital	Appreciate the administration	Explain broad developments in neighbourhood	Various pictures of neighbourhood	understanding	Appreciation	pictures		Textbook exercise
7. our nation	6	Flag National emblem	www.extramarks.com	Knowledge about nation	The importance of India	National unity	Understand the integrity of our nation	Locate places	Influence the unity of our nation	Remembering national integrity	Realize	videos		Class TP

HALF YEARLY EXAMINATION (Lessons - - (5, 6 & 7)

8 Good habits	5	Personal hygiene	www.ipgbook.com	Knowledge about habits	Specialties of creating good habits	*importance of habits	Understand the importance of habits	Recognize the life style of people	Comparative studies	Understanding	recognize	picture		Class TP
9. Air and Water	7	Natural sources	www.ipgbook.com	Knowledge about the climate and weather	Importance of climate	Life style of people	To understand the uses of water and air	Discuss the merits of resources	Merits of natural resources	understanding	realize	Paper cuttings		Uses of air and water
10 Festivals	6	Religious and national festivals	www.ipgbook.com	Understand the major festivals	Importance of festivals	Need of celebrations	Specialities of each festivals	Describe the food and culture	Influence of seasons on festivals	understanding	recognize	photos		activity

PERIODIC ASSESSMENT - III (Lessons - 7, 8, 9 & 10)

11 Animal world	7	Types of animals	www.ipgbook.com	Knowledge about animals	Importance of animals	Uses of animals	Influence of animals in life	Explain the uses of animals	Influence of animals on our life	understanding	appreciate	pictures		activity
12 Plant world	6	Parts of plants	www.extramarks	Knowledge about plants	Importance of plants in nature	Influence of plants in our life	Important uses of plants	discussion	Identify the parts of a plant	understanding	appreciate	Draw and colour		Class TP
13 In the sky	7	Sun moon stars	www.extramarks.com	Understand the planets	Differentiate planets and stars	Importance of sun,moon,earth	Influence of celestial bodies	Explaining the features of stars	Identify the difference between stars and planets	realize	appreciate	Solar system model	Integrated assignment	Draw and colour a star
14 Weather and climate	6	Different seasons	www.ipgbook.com	Knowledge about climate	Differences between climate and weather	Importance of climate in daily life	Influence of climate	discussion	Find out the difference between climate and weather	understanding	realize	Paper cuttings		Names of seasons
15 How we travel	5	Land ,water, air transport	www.ipgbook.com	Knowledge about transportation	Differentiate the vehicles	Influence of vehicles	Uses of vehicles	discussion	Identify the vehicles	Under standing	realize	pictures		Class TP
16 Let us safe	6	Importance of good manners	www,ipgbook.	Knowledge about manners	Importance of manners	Influence of good manners	Uses of ,manners	discussion	Identify good manners	understanding	recognize	Role play		Textbook exerc

ANNUAL EXAMINATION (Lessons - 11, 12, 13, 14, 15 & 16)

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
1.Pre-Number concepts	5	Revising previous knowledge	www.google.com www.youtube.com	Counting, finding difference, Before ,after ,between Big small etc	Counting students ,Comparing items in the class	1.Inside ,outside 2.On,under ,above ,below, same, Different, More, less	Able to remember previous knowledge	They can recollect their previous knowledge	Comparing objects with their shape ,size ,color	Observation skill Thinking skill	Recollection	Activity : Using class room items children tell about prenumber concepts		1.Doing textual work 2. Worksheet 3.Conduct TP
2.Numbers up to 100 (SEM 1 – LESSON 2, LESSON 4 SEM 2 – LESSON 7)	15	Number concepts	www.google.com www.youtube.com	Counting items	Read and write any two digit numbers seen on their life and can count items etc.	1.Counting up to 10 2.Counting up to 20 3.Counting tens 10 to 100 4. Place value 5.Before,between And after	Able to count ,read and write numbers and number names from 1 to 100	Students can understand the concept of tens and ones. Write 0-20 Numerals and In words	They can read two digit numbers	Numeracy skill Language skill	Self appreciation when reading and writing 2 digit numbers	Activity: Count nad jump according to the numbers		1.Doing textual work 2.Worksheet 3.Conduct TP
6. Time	7	Understanding Tell the time and read the days and months	www.google.com www.youtube.com	Day and night Counting Clock	Know days ,months in a year using calendar		Able to read time in hours Able to tell days of the week and months in a year	Students gain and awareness of the concept of time and the ability to tell time	Can read time in hours They can write and read calendar	Language skill Observation	– value of time	Draw a clock and represent the given time	Assessment : Telling time shown on the clock	1.Doing textual work 2.Woerksheet 3.Conduct TP

PERIODIC EXAMINATION 1 - SEM 1- (Lessons - 1 , 2 , 4 & 6 and SEM 2 - (Lessons - 7)

3. Addition and Subtraction from 1 to 99 (SEM 1- LESSON 3 SEM 2 – LESSON 8)	11	Understanding addition and subtraction of 2 digit numbers	www.google.com www.youtube.com	Addition and Subtraction of 1 digit , 2 digit without regrouping	Explain their own situation where subtraction and addition used .for example Find balance rupees	1.Adding and Subtracting 2 digit without regrouping 2. Number stories	Able to add and subtract 2 digit numbers without regrouping	Solve simple Daily life Problems Based on Subtraction Of 2digit numbers	Count and add items find balance item in their hand	Thinking skill while evaluating	Excitement of getting answers. Confidence	Activity Using class room items addition and subtraction demonstrate	Work sheet - Aug 14 – Aug 18	1.Doing textual work 2.Worksheet 3.Conduct TP
5. Shapes and patterns	5	Understanding patterns in our nature Understanding 2D and 3D shapes	www.google.com www.youtube.com	Basic plane shapes patterns	Observe leaf Arrangements, Saree borders, tiling Trace different faces of 3D objects and name their corresponding 2D shapes	1.Shapes around us 2.Lines 3.Patterns 4.Solid shapes+	1.Able to Identifying shapes 2. Able to Understand various patterns	Exploring shapes, Lines , patterns in their daily life	Observing shapes around us	Observation Thinking Problem solving skill Creativity	Listening and observing Appreciate the beauty of different patterns	Activity: Make different patterns using shapes	Tell about the shapes	1.Doing textual work 2. Worksheet 3.Conduct TP

HALF YEARLY EXAMINATION : (Lessons - 3 & 5(Sem 1) and Lessons 8 (Sem 2)

9. Measurement	9	Understanding length, weight and capacity	www.google.com www.youtube.com	Taller, shorter, thicker, thinner, more ,and less	Measuring lengths of items using non standard units Construct their own balance and take weights of items Comparing capacities of containers	1.Length 2.Comparing lengths 3. Mass-Comparing mass 4.Capacity – Comparing capacity	1.Able to compare Different Measurements 2. Able to measure Length , weight And capacity using Non standard units	Estimate and Measure length And capacities Of containers Using non Standard units Like a rod , Cup /spoon	Measuring different items length, weight and capacity	Students can measure their daily use items length and can compare different items weight and capacity	Appreciation of knowing their own height, weight	Activity – Lab activity Take them to lab and explain measurements		1.Doing textual work 2.Asking questions 3.Work sheet 4. Conduct TP
10.Money	10	Understanding Money Understanding amount	www.google.com www.youtube.com	Notes ,Coins	For buying anything money is needed	1.Count money 2.Story problems in real life situations	1.Able to Recognizing Indian currency 2.Counting rupees And paise 3.Add and subtract Money	Learn to solve Daily life Situations Related to Amount of money	Finding balance and total money	Problem solving skill Critical thinking	Importance of saving money	Activity – Paste notes and coins in their book		1.Doing textual work 2.Asking Tables 3. Conduct TP 4. Worksheet

PERIODIC ASSESSMENT - III (Lessons - 8 & 10)

11. Data Handling	9	Understanding Sorting items	www.google.com www.youtube.com	Identifying objects and collections Sorting objects	Sorting items	1.Sorting helps	1.Able to Distinguish similarities and differences between objects 2. Able to understand sorting things	Discover how Sorting helps in Organizing things	Showing different objects and sorting that objects	Creative skill, special intelligence	Organizing books or other items in the shelf	Activity sorting their text books in their racks	Lab activity – Sort items and make table	1.Doing textual work 2.Asking questions 3. Conduct TP 4.Lab activity
12.Introduction to Multiplication	5	Understanding repeated addition is multiplication	www.google.com www.youtube.com	Addition	Create a situation used when repeated Addition used example how many legs in a 4 children	1.Making equal groups 2.Repeated addition 3.Multiplication using array 4.Tables 1,2,5,10	1.Able to learn Multiplication facts and tables of 1, 2,5 and 10 2. Able to Multiply without regrouping	1.Study multiplication Tables and facts of 1, 2, ,5 and 10 2.Understand Repeated addition is multiplication	Count and add pencils in your hand	Manipulative skill - adding using various methods Problem solving skill	Excitement of getting answers Helping others			1.Doing textual work 2. Worksheet

13. Division Introduction	10	Understanding Division facts www.google.com www.youtube.com	Counting Multiplication	Create a situation example 8 apples divided in to 4 children	1.Equal sharing 2.Division symbol	1.Able to share Equally 2.Able to find Equal number of groups	1.Can divide Equally a group Of items	Equally make groups of students or items	1. Problem solving skill 2. Manipulative skill 3. social skill	Value of numbers Sharing sweets to their friends Equally	Using class room items dividing and distributing equally	Table Recitation – Multiplication tables	1.Doing textual work 2. Worksheet 3.Conduct TP
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ANNUAL EXAMINATION – (Lessons - 11, 12 & 13)

SUBJECT: INFORMATION TECHNOLOGY

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
1.The Computer World	4	Study of Machines and What Computers can do.	www.tutorialspoint.com	They are aware about their house some machines.	Ask them to detail about the different machine used in their houses.	1. Types of Machines 2. Computer – A Machine	Learn about different types of Machines and the places computers are used.	Identify the places where computers are used. Uses of Different Machines.	Detailing about the uses of computer.	Productivity and Innovation, Creativity, Art integration,	They can study how the computers are important in the day to day life.	Lab Activity/ Project: Explore the Machine - Computer		Oral TP, Identification of Pictures

PERIODIC ASSESSMENT – I (Lesson 1)

2. Parts of a Computer	4	To study about computer Parts	www.tutorialspoint.com	They are familiar with the machines such as Television.	List out the names of additional computer parts.	Computer Parts – Mouse Keyboard CPU Monitor	Learn in detail about Computer parts	Learn about different Computer Parts	Identification of Computer Parts	Productivity and Innovation, Creativity, Art integration,	Students will think about the Main Parts of a computer and human Body Parts.	Activity: Draw a computer Picture and Label it		Oral TP, Identification of Pictures Drawing
3. The Mouse	4	To study the computer parts – Mouse	www.tutorialspoint.com	They are familiar with Animal Mouse	Make the children to do Drawing and Colouring	Parts of a Mouse Click Move the Mouse Right Click	Learn about Mouse as an Input Device		Dragging and Dropping	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will study how the Computer parts – Mouse can be maintained in the lab.	Individual Activity: Draw a Mouse		

HALF YEARLY EXAMINATION – (Lessons - 2 & 3)

4.Using the Keyboard	4	To study the computer parts – Mouse	www.tutorialspoint.com	They are using Mobile Keypad.	Make the children to do typing using Keyboard	Parts of a Keyboard Number Key Alphabet Keys Special Keys Caps Lock Key Space Bar Enter Backspace Arrow Delete	Learn about Keyboard as an Input Device	Study about Computer Parts – Keyboard	Experience and explore about Keyboard	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will study how the Computer parts – Keyboard can be maintained in the lab.	Lab Activity/Project: Paste a Picture of Keyboard	Integrated Project	Oral TP, Identification of Pictures Drawing
5. Tux Paint	4	To study the basic drawing in Tux Paint	www.tutorialspoint.com	They are familiar with M S Paint	Tell the students to compare the advantages of Paper drawing and Computer drawing	TUX Paint- Starting Tux Paint Parts of TUX Paint	Learning drawing in detail in TUX Paint.	Use TUX Paint Effectively.	Make a pictures of your house.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will be aware about the benefits of Paint over TUX Paint	Lab Activity/Project: Prepare a drawing on the TUX Paint – Nature		Oral TP, Identification of Pictures Drawing

PERIODIC ASSESSMENT – III (Lessons - 4 & 5)

6. Let US Paint	4	To study the basic drawing in M S Paint	www.tutorialspoint.com	They are familiar with Paper drawing	Tell the students to compare the advantages of TUX Paint and MS Paint Drawing.	Introduction Parts of the Paint Window Shapes Group	Learning drawing in detail in M S Paint.	Use M S Paint Effectively.	Making and handling real time pictures in MS Paint.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will be aware about the benefits of M S Paint over TUX Paint	Lab Activity/Project: Prepare a drawing on the M S Paint - School	Art Integrated Project	Oral TP, Identification of Pictures Drawing
7. An Online AL Program – AutoDraw	4	To study draw a list of ready drawing.	www.tutorialspoint.com	They are familiar with Paper drawing, TUX Paint, M S Paint	Tell the students to compare the advantages of TUX Paint, MS Paint, Drawing over AutoDraw	Open AutoDraw To Start a new Drawing To save a Drawing	Learning drawing in detail in AutoDraw	Use AutoDraw Effectively.	Making and handling real time pictures in AutoDraw	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will be aware about the benefits of AutoDraw	Lab Activity/Project: Prepare a drawing on the AutoDraw - Fruits		Oral TP, Identification of Pictures Drawing

ANNUAL EXAMINATION – (Lessons - 6 & 7)

Grade – II

SUBJECT : ENGLISH

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
1.Thumbelina Grammar: 1.Alphabetical Order 2.Sentences 3.Nouns	6 6	Fairy tale	www.tutorialspoint.com	They are aware about many fairy tales	Let them narrate a story	Love and care Towards animals	1)Learn new Vocabulary 2)Read a story, Comprehend and Answer simple questions	1)Develop a Caring attitude Towards Animals 2)Learn how To describe a picture	Develop story By analysing a picture	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	Love, kindness, care	Discussion about caring animals	Write about your favourite cartoon characters	Quiz
													Individual Project	
3. Our National Flag Grammar: 4.Nouns(Compound) 5.Nouns(Singular and plural)	6 6	Patriotism	www.tutorialspoint.com	They are familiar with some patriotic songs	Making Patriotic Posters	Love and respect	1)Read a story Comprehend And answer Simple Questions 2)Learn how To be patriotic	1)Develop love And respect Towards our country	Poster making	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	Respect towards our country, respect national anthem and flag	Activity: Poster making On patriotism	Paste the pictures of any five freedom fighters	Assignment
PERIODIC ASSESSMENT – I (Lessons - 1 & 3) Grammar:1, 2, 3, 4, 5)														
7. The North Wind and The Sun Grammar: 6.Adjectives 7.Articles 8.Pronouns	6 6	Nature	www.tutorialspoint.com	They are familiar with the natural things like sun and wind	Write short composition	Protection of nature	1)Read a story, Comprehend And answer Simple Questions 2)Develop Creativity and imagination	Develop love Towards nature Beautiful things	Write a short poem on nature	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	Creativity and imagination	Composition	debate	Assignment
8.Little Things	4	Good manners	www.tutorialspoint.com	They are aware of some good	Poster making	Discussion on good manners	1)Recite a poem Comprehend	1)Develop good Manners	Poster making on good	Productivity and	Love, kindness,	Activity: Poster making on		Speaking

Grammar: 9.Verbs 10.Is/am/are 11.was/were	3			manners.			And answer Simple question 2)Learn about Good manners	2)Develop Happiness when Behaved good To others	manners	Innovation, Creativity, Art integration, Flexibility and Adaptability	sharing and caring	good manners	Project	
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HALF YEARLY EXAMINATION (Lessons - 7 & 8) Grammar: 6, 7, 8, 9, 10 & 11)

2. Simple Simon Grammar: 12.Has/have/has 13.Is/am/are +ing	4 4	Childhood	www.tutorialspoint.com www.w3schools.com	They can collect their childhood memories	Narration of their childhood experiences	Picture comprehension	1)Recite a poem 2)Understand Rhyming words	1)Understand How beautiful Our childhood	Picture comprehension.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	Enjoyment and enthusiasm in children	Assignment: Picture Comprehension	Importance of reading books	Questionnaire
3. The Wonder world Of Books Grammar: 14.Adverbs 15.Preposition	6 6	Informative	www.tutorialspoint.com	They know the value of books	Discuss the importance of books	Paragraph writing	Learn the Importance of books	Develop reading habits	Paragraph writing.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	Creativity and logical thinking	Group activity		

PERIODIC ASSESSMENT – III (Lessons - 2 & 3) Grammar:12, 13, 14 & 15)

5.Alice in Wonderland Grammar: 16.Conjunctions 17.Interjections	6 6	Adventure	www.w3schools.com	They are familiar with adventurous stories.	Identify signboards	Importance of being on time	1)New Vocabulary 2)Enjoy an Adventurous story.	1)Develop the Importance of Being on time .	Identification of signboards	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	Curiosity, excitement, happiness	Chart work	Write about your one dream	Project
6.Mother Grammar: 18.Comprehension 19.Composition 20.Words	4 6	Family	www.w3schools.com	They know family relations	Words of gratitude	Importance of family	1)Learn new Vocabulary 2)Love towards family	1)Develop love And affection To family	Collect words of gratitude	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	Kindness, love and affection	Speaking activity		

ANNUAL EXAMINATION (Lessons - 5 & 6) Grammar: 16, 17 & 20)

SUBJECT : MALAYALAM

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency Learning	Life Skills 21'stcentury	Ethics and Values	Subject Enrichment	Multiplex Assessment	Evaluation
1. കുട്ടികളുടെ കളി കളി കളി	5	കുട്ടികളുടെ കളി കളി കളി	കുട്ടികളുടെ കളി www.kuttikavitha.com	കുട്ടികളുടെ കളി കളി	കുട്ടികളുടെ കളി കളി	കുട്ടികളുടെ കളി	കുട്ടികളുടെ കളി	കുട്ടികളുടെ കളി കളി കളി	കുട്ടികളുടെ കളി കളി കളി	Communication Skills	കുട്ടികളുടെ കളി	കുട്ടികളുടെ കളി	കുട്ടികളുടെ കളി കളി കളി	കുട്ടികളുടെ കളി കളി കളി
2. കുട്ടികളുടെ കളി കളി	7	കുട്ടികളുടെ കളി കളി കളി	കുട്ടികളുടെ കളി www.kuttikathakal.com	കുട്ടികളുടെ കളി കളി	കുട്ടികളുടെ കളി കളി	കുട്ടികളുടെ കളി	കുട്ടികളുടെ കളി	കുട്ടികളുടെ കളി കളി കളി	കുട്ടികളുടെ കളി കളി കളി	Practical Skills	കുട്ടികളുടെ കളി	കുട്ടികളുടെ കളി	കുട്ടികളുടെ കളി കളി കളി	കുട്ടികളുടെ കളി കളി കളി
3. കുട്ടികളുടെ കളി കളി	7	കുട്ടികളുടെ കളി കളി	കുട്ടികളുടെ കളി www.kuttikavitha.com	കുട്ടികളുടെ കളി കളി	കുട്ടികളുടെ കളി കളി	കുട്ടികളുടെ കളി	കുട്ടികളുടെ കളി	കുട്ടികളുടെ കളി കളി കളി	കുട്ടികളുടെ കളി കളി കളി	Social skills	Love	കുട്ടികളുടെ കളി	കുട്ടികളുടെ കളി	കുട്ടികളുടെ കളി

PERIODIC ASSESSMENT - I - (Lessons 1, 2 & 3)

4. കുട്ടികളുടെ കളി	8	കുട്ടികളുടെ കളി കളി	കുട്ടികളുടെ കളി www.kuttikathakal.com	കുട്ടികളുടെ കളി കളി	കുട്ടികളുടെ കളി കളി	കുട്ടികളുടെ കളി	കുട്ടികളുടെ കളി	കുട്ടികളുടെ കളി കളി കളി	കുട്ടികളുടെ കളി കളി കളി	Self management	Growth	കുട്ടികളുടെ കളി	കുട്ടികളുടെ കളി	കുട്ടികളുടെ കളി കളി കളി
5. കുട്ടികളുടെ കളി	7	കുട്ടികളുടെ കളി കളി	കുട്ടികളുടെ കളി www.kuttikavitha.com	കുട്ടികളുടെ കളി കളി	കുട്ടികളുടെ കളി കളി	കുട്ടികളുടെ കളി	കുട്ടികളുടെ കളി	കുട്ടികളുടെ കളി കളി കളി	കുട്ടികളുടെ കളി കളി കളി	Decision making	Vision	കുട്ടികളുടെ കളി	കുട്ടികളുടെ കളി	കുട്ടികളുടെ കളി കളി കളി
6. കുട്ടികളുടെ കളി	8	കുട്ടികളുടെ കളി കളി	കുട്ടികളുടെ കളി www.kuttikavitha.com	കുട്ടികളുടെ കളി കളി	കുട്ടികളുടെ കളി കളി	കുട്ടികളുടെ കളി	കുട്ടികളുടെ കളി	കുട്ടികളുടെ കളി കളി കളി	കുട്ടികളുടെ കളി കളി കളി	Practical skills	Kindness	കുട്ടികളുടെ കളി	കുട്ടികളുടെ കളി	കുട്ടികളുടെ കളി കളി കളി
7. കുട്ടികളുടെ കളി	6	കുട്ടികളുടെ കളി കളി	കുട്ടികളുടെ കളി www.kuttikavitha.com	കുട്ടികളുടെ കളി കളി	കുട്ടികളുടെ കളി കളി	കുട്ടികളുടെ കളി	കുട്ടികളുടെ കളി	കുട്ടികളുടെ കളി കളി കളി	കുട്ടികളുടെ കളി കളി കളി	Analytical skills	Kindness	കുട്ടികളുടെ കളി	കുട്ടികളുടെ കളി	കുട്ടികളുടെ കളി കളി

SUBJECT : HINDI

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
1. अक्षर : 1 अक्षरों का नाम अक्षरों की पहचान अक्षरों की श्रेणियाँ अक्षरों की संख्या	4	अक्षरों का नाम अक्षरों की पहचान	www.hindialphabt.com	अक्षरों की पहचान अक्षरों की श्रेणियाँ अक्षरों की संख्या	अक्षरों की पहचान अक्षरों की श्रेणियाँ अक्षरों की संख्या	अक्षरों की पहचान अक्षरों की श्रेणियाँ अक्षरों की संख्या	अक्षरों की पहचान अक्षरों की श्रेणियाँ अक्षरों की संख्या	अक्षरों की पहचान अक्षरों की श्रेणियाँ अक्षरों की संख्या	अक्षरों की पहचान अक्षरों की श्रेणियाँ अक्षरों की संख्या	अक्षरों की पहचान अक्षरों की श्रेणियाँ अक्षरों की संख्या	अक्षरों की पहचान अक्षरों की श्रेणियाँ अक्षरों की संख्या	Activity अक्षरों की पहचान अक्षरों की श्रेणियाँ	अक्षरों की पहचान अक्षरों की श्रेणियाँ	TP, अक्षरों की पहचान अक्षरों की श्रेणियाँ अक्षरों की संख्या
2. शब्द : 1 शब्दों की पहचान शब्दों की श्रेणियाँ शब्दों की संख्या शब्दों की पहचान शब्दों की श्रेणियाँ शब्दों की संख्या	2	शब्दों की पहचान शब्दों की श्रेणियाँ	www.hindialphabet.com	शब्दों की पहचान शब्दों की श्रेणियाँ शब्दों की संख्या	शब्दों की पहचान शब्दों की श्रेणियाँ शब्दों की संख्या	शब्दों की पहचान शब्दों की श्रेणियाँ शब्दों की संख्या	शब्दों की पहचान शब्दों की श्रेणियाँ शब्दों की संख्या	शब्दों की पहचान शब्दों की श्रेणियाँ शब्दों की संख्या	शब्दों की पहचान शब्दों की श्रेणियाँ शब्दों की संख्या	शब्दों की पहचान शब्दों की श्रेणियाँ शब्दों की संख्या	शब्दों की पहचान शब्दों की श्रेणियाँ शब्दों की संख्या	Activity शब्दों की पहचान शब्दों की श्रेणियाँ		TP

PERIODIC ASSESSMENT – I – (Lessons 1, 2, 3, 4 & 5)

3. वाक्य : 1 वाक्यों की पहचान वाक्यों की श्रेणियाँ वाक्यों की संख्या	4	वाक्यों की पहचान वाक्यों की श्रेणियाँ	www.hindialphabet.com	वाक्यों की पहचान वाक्यों की श्रेणियाँ वाक्यों की संख्या	वाक्यों की पहचान वाक्यों की श्रेणियाँ वाक्यों की संख्या	वाक्यों की पहचान वाक्यों की श्रेणियाँ वाक्यों की संख्या	वाक्यों की पहचान वाक्यों की श्रेणियाँ वाक्यों की संख्या	वाक्यों की पहचान वाक्यों की श्रेणियाँ वाक्यों की संख्या	वाक्यों की पहचान वाक्यों की श्रेणियाँ वाक्यों की संख्या	वाक्यों की पहचान वाक्यों की श्रेणियाँ वाक्यों की संख्या	वाक्यों की पहचान वाक्यों की श्रेणियाँ वाक्यों की संख्या	Activity: वाक्यों की पहचान वाक्यों की श्रेणियाँ	वाक्यों की पहचान वाक्यों की श्रेणियाँ	TP
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PERIODIC ASSESSMENT – III (Lessons - 11, 12, 13, 14 ,& 15)

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ANNUAL EXAMINATION – (Lessons - (16, 17, 18, 19 & 20)

SUBJECT: ENVIRONMENTAL SCIENCE

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	Life Skills/21 st century skills	Ethics and Values	Subject Enrichment	Multiple assessment	Evaluation
1. Our food	5	Types of food	Hcmag.com	Name of fruits and vegetables	Realise the importance of food	Energy giving/body building foods	Importance of healthy food	Reduce junk food	Use healthy food	Understanding	neatness	discussion	Individual project	Paste pictures of foods
2 Staying healthy	6	Good habits	Dnindia.com	Knowledge about habits	Realise Healthy habits	postures	Learn the good habits	Practice good habits	New strategy to improve health	Application of healthy habits	growth	discussion		Tick the correct habits
3.The clothes we wear	6	Types of clothes	Hcmag.com	Knowledge about family members	Realise the types of dresses	Cotton, wool, silk	Learn difference between clothes	Understand the different clothes	Conserve the natural clothes	Critical thinking	vision	discussion		Paste pictures of clothes
4Types of houses	8	Types of houses	pictures	Knowledge due about houses	Different types of houses	Caravans, tree houses, flats	Study about houses	Build good houses	Protection of houses	understanding	vision	drawing		Draw and colour a house

PERIOD ASSESSMENT I (Lessons - 1, 2, 3 & 4)

5.parts of our body		Body parts	chart	Names of body parts	Identifies the names	Bones, muscles	Learns about body parts	Demonstrate the body parts	Uses of organs	Self-awareness	growth	Role play		Oral questions
6.Living and Nonliving things	8	Living and non-living things	textbook	Knowledge about living and non-living things	Realize the importance of living things	Man made things, natural things	To study about living and non-living things	Learn the difference between living and non-living things	Specialities of living things	Critical thinking	classification	Educational games		Mark living and non living things
7.plants around us	6	Trees, shrubs	picture	Knowledge about plants	Realize different types of plants	Parts of plants	To learn about plants	Understand different plants	Importance of plants in nature	Application of healthy habits	Decision making	pictures	Integrated project	Pictorial representation
8.directions	4	Four directions	Map	Learns about knowledge	Identify the direction	Compass	Study the direction	Locate the direction	Locate places on a map	Self-awareness	Growth	Discussion		Oral questions

HALF YEARLY EXAMINATION (Lessons - 5, 6, 7 & 8)

9.Animal world	7	Specialties of animals	picture	Knowledge about animals	Realize the importance of animals	Pet animals ,farm animals ,domestic animals	To study the different animals	Learn the types of animals	Conserve animal world	Critical thinking	vision	discussion		Mark on different types of animals
10.more on animals	8	Animals and young ones	chart	Knowledge about animals	Identifies the young ones	Animal babies ,homes	To learn the animal names	Explain the names	Protection of animals	understanding	vision	explanation		Oral questions
11.seasons	7	Different seasons	News paper	Knowledge about different seasons	Specialities of seasons	Summer, winter, rainy	Learn about seasons	To study about seasons	New strategies of seasonal change	understanding	Self-giving	Collecting pictures		assignment
12.our earth	8	Specialities of earth	globe	Learn about earth	Recognize the movements earth	Valley ,land ,plain	Learns about geography	Identify the features of earth	Protection of earth	Self-awareness	growth	discussion	Art integration	

PERIOD ASSESSMENT III (Lessons - 9, 10, 11 & 12)

13.our environment and pollution	6	Types of pollution	Wikipedia,org	Knowledge about our environment	Conserve environment	Land, water, air pollutions	To study about pollutions	Learn different pollutions	Conserve environment	Self-awareness	Love towards environment	Role play		assignment
14.our universe	8	Planets and stars	Wikipedia,org	Knowledge about stars	Know more about planets	constellations	Learns about stars	Identify the names of stars	Values the nature	Critical thinking	observation	story		oral questions
15.means of transport and communication	8	Types of communication	Text book	Knowledge about transports	Realize the importance of communication	Vehicles ,television , radio	To study about means of transport	Learn different types of transport	New strategies' of communication	Critical thinking	identification	discussion		Assignment
16.Our country India	6	nationalism	textbook	Knowledge about national leaders	Realize the importance of nationalism	National animal, bird, national flag	Study about nationalism	Identify the national leaders	Protect nationalism	Understanding	unity	discussion	Individual project	Draw and colour national flag
17.safety	5	Safety rules	Text book	Knowledge about sharp objects	Realize safety rules	Road safety ,strangers, fire	To study about safety measures	Learn safety rules	Identify the safety rules	Keep safety rules	application	discussion		assignment

ANNUAL EXAMINATION (Lessons - 13, 14, 15 & 16)

SUBJECT : MATHEMATICS

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
1.Place value and 3-digit numbers	10	Understanding about 3 digit numbers.	You tube ,Google	1.Number names up to 100 2. Comparing and ordering 2 digit numbers. 3. Place value of 2 digit numbers.	1.Counting items 2. Read the amount written on the items.	1.Numbers up to 100 2. 3 digit numbers 3.Numbers up to 1000 4.Place value and expanded form 5. Comparing numbers 6. Skip counting 7. Even and odd numbers 8. Ordinal numbers.	1. Forming , reading and writing numbers and number names up to 1000 2.Will be able to know about odd and even numbers. 3. Will be able to compare 3 digit numbers	1. They can understand about 3 digit numbers 2. Exploring even and odd numbers 3. Develop numerical ability	Counting, reading and writing 3 digit numbers in daily life	Problem solving Numerical ability Language skill	Self-appreciation when reading and writing 3 digit numbers	Activity – Draw abacus for the given numbers		1.Doing textual work 2. Worksheet 3.Conduct TP
4. Fractions	5	Fraction as a part of collection	You tube ,Google	Cutting an object equally and take parts from that	Situation in which cutting or sharing items and make fractions	1.Understanding Fractions. 2.Fractions 3.Fraction as part of collection	1.Able to understand fraction as part of collection	1. They can make fractional parts 2. They can write fraction of given parts	Sharing items from whole	Problem solving skill Thinking skill	Sharing items	Activity – Make fractional figures		1.Doing textual work 2.Worksheet 3.Conduct TP
2. Addition (2digit) Addition with bigger numbers (Chapter 7 – SEM 2)	10	Understanding addition with and without regrouping	You tube ,Google	Addition of 1digit , 2 digit and 3digit numbers with and without regrouping	Explain the situation in which addition is required like combining 2 groups	1.Addition of 3 two digit numbers 2.Addition of 2 digit and 3 digit with and without regrouping	Able to add 3digit numbers with and without regrouping	Solve simple daily Life problems Based on Addition of 2digit numbers	Count and add class room objects	Problem solving Thinking skill while evaluating	Excitement of getting answers		Table Recitation – addition	1.Doing textual work 2.Woerksheet 3.Conduct TP

PERIODIC ASSESSMENT 1 – (Lessons - 1, 2 & 4)

3. Subtraction – (2 digit) Subtraction of bigger numbers (SEM 2 – CHAPTER 7)	11	Understanding subtraction with and without regrouping	S.Chand learning resources You tube ,Google	Subtraction of 1 digit , 2 digit and 3 digit with and without regrouping	Explain their own situation where subtraction used example Find balance rupees	1.Subtracting 2 digit and 3 digit without and with borrowing 2. Checking subtraction 3. Number stories	Able to subtract 3 digit numbers with and without regrouping	Solve simple Daily life Problems Based on Subtraction Of 2digit numbers	Count and find balance item in their hand	Thinking skill while evaluating	Excitement of getting answers. Confidence		Work sheet	1.Doing textual work 2.Worksheet 3.Conduct TP
	5	Understanding	S.Chand learning resources					Represents	Telling story	Manipulative	Excitement of getting answers			1.Doing textual work

6.Money		amount	You tube ,Google	Rupees and coins	Shopping time money is an important thing	1.Adding money 2. Subtraction of money 3.Money in real life	1.Able to count money in rupees and paise 2.Able to read and write money in rupees and paise 3. Able to do addition and subtraction of money	An amount up To Rs 100 using 3 – 4 notes And coins	problems and solving	skill - adding using various methods Problem solving skill	Helping others Importance of saving money			2. Worksheet 3.Conduct TP
5. Time	10	Understanding Tell the time and read the days and months	S.Chand learning resources You tube ,Google	Clock and calendar	Discussing special day of the week when they spend time to their family	1.Hours and minutes 2.Telling time to half hour 3.Quarter the hour 4.Days of the week 5.Months 6.Calendar 7.Dates	1.Able to tell time to The half hour and five minutes 2.Able draw hands On the clock face to Show tome 3.Able to tell days and months of the year	Identifies the Days of the Week and Months of the Year. Can tell time of the activity	Showing clock and telling time	comparing the given period of time	Responsibilities – value of time	Lab activity : Draw a calendar of any one month and answer the questions		1.Doing textual work 2,Asking questions 3.Telling time 4. Worksheet

HALF YEARLY EXAMINATION - (Lessons - 3, 5 & 6)

10. Measurement	9	Understanding length, weight and capacity	S.Chand learning resources You tube ,Google	Taller, shorter, thicker, thinner, more ,and less	Measuring lengths of items using non standard units Construct their own balance and take weights of items Comparing capacities of containers	1.Length 2.Metre and centimetre 3.measure length using scale 4.Weight – kilogram and gram 5.Capacity – litre and millilitre 6. Story problems	1.Able to Measure length In metres and Centimeters, weight In grams and Kilograms, and Volume of liquid in Litres	Estimate and Measure length And capacities Of containers Using non Standard units Like a rod , Cup /spoon	Measuring different items length, weight and capacity	Students can measure their daily use items length and can compare different items weight and capacity	Appreciation of knowing their own height, weight	Activity – Lab activity Take them to lab and explain measurements		1.Doing textual work 2.Asking questions 3.Work sheet 4. Conduct TP
8.Multiplication	10	Understanding repeated addition is multiplication	You tube ,Google	Addition	Create a situation used when repeated Addition used example how many legs in a 4 children	1.Repeated addition 2.Properties 3.Tables 4.Multiplication of 2 digit by 1 digit 5. Multiplication stories	1.Able to learn Multiplication facts and tables of 2,3,4,5 and10 2. Able to Multiply without regrouping	1.Study multiplication Tables and facts of 2, 3,4,5 and 10 2.Understand Repeated addition is multiplication	Count and add pencils in your hand	Manipulative skill - adding using various methods Problem solving skill	Excitement of getting answers Helping others	Activity – Using classroom items and tell the repeated addition and their multiplication facts		1.Doing textual work 2.Asking Tables 3. Conduct TP 4. Worksheet

PERIODIC ASSESSMENT - III - (Lessons - 8 & 10)

Number and Name	Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
1. Introduction To Computers	4	Study of Types of Computers, History of Computer.	www.tutorialspoint.com	They are aware about daily life	Ask them to detail about the different machine used in their houses.	Computers Versus Human Beings Computers Then and Now Types of Computers	Learn about different types of Computer characteristics, and the places computers are used.	Identify the Uses of computers Computer types	Detailing about the uses of computer.	Productivity and Innovation, Creativity, Art integration,	They can study how the computers are important in the day to day life.	Lab Activity/ Project: Explore the Computer in different place.		Oral TP, Identification of Pictures
2. Operating the Computer	2	Study of Operating a Computer.	www.tutorialspoint.com	They are aware about Mobile OS	Ask them to find out different types of OS in computer and Phone	Starting a Computer Shutting Down a Computer	Able to handle Computer OS	Able to start and shut down a computer.	Detailing about starting a computer in different OS	Productivity and Innovation, Creativity, Art integration,	They can Study the safety in Starting and shutting down.	Lab Activity/ Project: Explore the OS in Your Lab.		Oral TP, Identification of Pictures

PERIODIC ASSESSMENT I (Lessons -1 & 2)

3. Working of a Computer	4	To study about computer way of working	www.tutorialspoint.com	They are familiar with machines operations	List out the some IPO cycle in daily life.	IOP Cycle	Learn IPO cycle in details.	Learn about Computer IPO	Identification of Computer IPO Parts	Productivity and Innovation, Creativity, Art integration,	Students will think about the way of computer working	Activity: Draw one IPO cycle.		Oral TP, Identification of Pictures Drawing
4. Computer Peripherals	4	To study the computer Peripherals	www.tutorialspoint.com	They are familiar with Computer Main Parts	Make the a list of some additional parts of a Computer	Input Devices Processing Device Output Devices	Learn about Different Computer Parts.	Learn about Computer IPO Cycle Devices	Explore the uses of additional Devices	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will study how the Computer is working in IPO Cycle.	Individual Activity: Draw Computer IPO Cycle		Oral TP, Identification of Pictures Drawing
5. Tux Paint	4	To study the basic drawing in Tux Paint	www.tutorialspoint.com	They are familiar with M S Paint	Tell the students to compare the advantages of Paper drawing and Computer drawing	TUX Paint- Starting Tux Paint Parts of TUX Paint Tools	Learning drawing in detail in TUX Paint.	Use TUX Paint Effectively.	Make a pictures of your Nature	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will be aware about the benefits of Paint over TUX Paint	Lab Activity/ Project: Prepare a drawing on the TUX Paint – Nature		Oral TP, Identification of Pictures Drawing

HALF YEARLY EXAMINATION (Lessons - 3 & 4)

6. The Keyboard and the Mouse	4	To study the computer parts – Mouse and Keyboard	www.tutorialspoint.com	They are using Mobile Keypad.	Make the children to do typing using Keyboard	Parts of a Keyboard Key Mouse Parts	Learn about Keyboard and Mouse as	Study about Computer Parts – Keyboard	Experience and explore about Keyboard and	Productivity and Innovation, Creativity, Art	They will study how the Computer parts –	Lab Activity/ Project:	Integrated Project	Oral TP, Identification of Pictures Drawing
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						and Function	an Input Device	and Mouse	Mouse	integration, Flexibility and Adaptability	Keyboard and Mouse can be maintained in the lab.	Paste a Picture of Keyboard Draw a Mouse		
7. Paint	4	To study the basic drawing in M S Paint	www.tutorialspoint.com	They are familiar with TUX Paint	Tell the students to compare the advantages of Paper drawing and Computer drawing	M S Paint- Starting M S Paint Parts of M S Paint	Learning drawing in detail in M S Paint.	Use M S Paint Effectively.	Make a pictures of your NATURE	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will be aware about the benefits of Paint over M S Paint	Lab Activity/Project: Prepare a drawing on the M S Paint – SEA SHORE		Oral TP, Identification of Pictures Drawing

PERIODIC ASSESSMENT – III (Lessons - 6 & 7)

8. Working with WordPad	4	To study the basic typing in WordPad	www.tutorialspoint.com	They are familiar with Mobile Typing	Tell the students to about typing in WordPad	Starting Parts of the WordPad Window Formatting	Learning Typing with WordPad	Use WordPad Effectively	Making your typing more beautiful in WordPad	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will be aware about the benefits of WordPad	Lab Activity/Project: Prepare a Birthday Card in WordPad to Your Friend	Art Integrated Project	Oral TP, Identification of Pictures Drawing
9. Basic of Coding: Computational Thinking	4	To study Computational thinking	www.tutorialspoint.com	They are familiar with Patterns	Tell the students about the importance of Coding	Growing Repeating Patterns	Learning About different patterns	Use Coding in effective way	Making and handling Patterns	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will be aware about the benefits of Coding	Lab Activity/Project: Prepare 2 Patterns		Oral TP, Identification of Pictures Drawing
10. Coding: Scratch Jr	4	To study Scratch	www.tutorialspoint.com	They are familiar with animation	Tell the students about the importance of Scratch		Learning About Scratch	Use Scratch in an effective way	Making and handling Step by step for Animation	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will be aware about the benefits of Scratch S/W	Lab Activity/Project: Create animation using Sprite		Oral TP, Identification of Pictures Drawing

ANNUAL EXAMINATION – (Lessons – 8 & 10)

SUBJECT : ENGLISH

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
1.Sinbad, the Sailor Grammar: 1.Sentences 2.Nouns 3.Nouns-types	6 8	Gain knowledge of the rich culture, legacy and tradition of a different country..	www.tutorialspoint.com	They are aware of the famous collection of Middle Eastern Stories called ‘One thousand and One Nights’.	Take them to language lab and show the neighboring countries of India and our main trade with each country.	Develop qualities such as courage, boldness and survival instinct.	1)Read a story comprehend its content and answer simple questions. 2)Learn important grammar concepts like collective nouns. 3)Gain knowledge about the rich culture and tradition of a different country.	1)Students gain communication skills, listening skills, and grammar skills. 2)Develop critical thinking skills, writing skills 3)Discover the joy of reading a fable with unusual characters.	Practice conversation .	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	Boldness, survival instinct.	Activity/ Project: Present a conversation in the class	Write about your one favourite trip Individual Project	Assignment
2. Summer in a Village(poem) Grammar: 4.Nouns-Count And Uncount 5.Nouns-Sing & Pl 6.Nouns-Gender	3 8	Day to day life in a village	textbook	They are aware of the life in a village and city	Draw or collect pictures of village and towns	Appreciate nature, animals and the beauty of a village.	1)Get an Insight into The day to Day activities In a village 2)Overcome the General Perception That life in A village is Dull, boring, And Monotonous.	1)Gain Recitation skill Listening and Analytical skill 2)Understand That life in a Village can be Interesting, and fun	Poem recitation	Analytical skill, Creativity	Love towards nature, animals	Poem writing	TP	
3. The Invisible Clothes	6	Learn important life lessons from humorous historical stories.	www.tutorialspoint.com	They are familiar with King Krishnadevaraya and Tenali Rama	Make them to narrate a story.	Intelligence, wit, sense of humour, problem solving ability..	1)Learn about A piece of Interesting Indian history Involving king Krishnadevaraya And Tenali Rama 2)Understand Important life Lessons from Historical events	1)Gain listening Skills, writing Skills. 2) Develop Interest to learn History.	Story Completion..	Problem solving ability, critical thinking.	Intelligence, creativity, critical thinking.	Activity: Story Completion	Poster making	Speaking activity.
PERIODIC ASSESSMENT – I (Lessons - 1,2 & 3) Grammar:1, 2, 3, 4, 5 & 6)														
5. The Brave Dutch Boy	8	Dangers that low lying	www.tutorialspoint.com	They are familiar with	Take them to language lab to	Moral values such as	1)Study a Picture, decipher	1)gain Communicative	Bring an object and	Productivity and	Bravery, adaptability,	Individual Activity:	Mention any five moral	Conversion and discussion

Grammar: 7.Possessive Noun 8.Adjectives	8	nation faces when the sea level rises.		different nationalities.	show the geographic position of Netherlands	bravery, sacrifice, and selflessness.	It and write in Simple Sentences. 2)Learn about A new country, Its geography, Climatic Conditions etc	Skills, writing Skills, and life Skills. 2) Develop mo such as bravery Sacrifice and Selflessness	form questions about that object and ask in pairs	Innovation, Creativity, Art integration, Flexibility and Adaptability	selflessness	Picture description	qualities	
6. The Night The Elves Came Grammar: 9.Degrees of Comparison] 10.A/an/the	6 6	Hard work	Textbook	They are aware of the hard work involved in different professions.	Descriptive writing	Develop appreciation and respect towards different professions.	1)Learn present And past tense 2)Sharpen their Writing skills	1)Learn that Persistence and Hardwork Leads to success 2)Develop Critical Thinking and Values such as Hardwork and Gratitude.	Picture description	Respect towards each profession	Hard work, gratitude, respect.	Narration.	Individual assignment	
8. Young-Night Thought Grammar: 11.Pronouns 12.Verbs	4 6	Imaginary characters	www.tutorialspoint.com	They are aware of the different imaginary characters come in their dreams.	Adding lines to poem	imagination	1)Read a poem Comprehend, And answer Questions. 2)Analyse the c and events in The poem.	1)Recitation sk Analytical skill And imaginative skills	Poem completion	Imagination, creativity	Imagination	Activity: Complete a poem		Writing

HALF YEARLY EXAMINATION (Lessons - 5, 6 & 8, Grammar:7, 8, 9,10,11,12)

1.The Pot of Milk Grammar: 13.Tenses 14.Simple Past 15.Simple Future	8 8	Self-dependence	www.tutorialspoint.com www.w3schools.com	They are aware of the value of hard work	Ask the students to write about day dreaming	Kindness, hard work and self reliance.	1)Read a story, Comprehend And answer Simple questions 2)Learn important Life lessons And messages That the Characters in The story convey	1)Develop Vocabulary , 2)Learn to Use adjectives 3)Develop Ethical values 4)Discover that We should earn Livelihood by Our own Efforts.	Making efforts to do their own things	Problem solving ability, Self reliance	To learn the value of self reliance and kindness	Lab Activity/ Project: Make a list of things that they do by themselves.	Write about your one dream	TP
2.Little Ann in London Grammar: 16Can/Should 17.Short forms 18.Adverbs	10 10	Sharing and caring	www.tutorialspoint.com	They know the happiness in sharing things.	Give them a real Life situation and ask how they React in that situation	Love, kindness, sharing and caring	1)Respond to Simple questions After reading the Story 2)Get an Insight of various Characters and Their role In the story 3)Grasp the Values and Ethics In the story And how we Can use These to Better our lives	1)Students gain Communication Presentation, Listening and Writing skills 2)Students Discover that We should Practise the Qualities of Generosity And kindness	Learn to share and care	Generosity, analytical ability, Problem solving ability	Generosity, kindness, love, care	Lab Activity/ Project: Making negative sentences	Individual assignment	Speaking test
					Let them know	Observing	1)Learn how	1)Gain recitation						

3.The Bird's Bath(poem)	4	Appreciate nature and birds	Textbook	Love towards nature	about the physical and characteristic features of different birds	nature	To pronounce Rhyming words 2)Get an introduction To the world Of birds	Listening, speaking And life skills 2)appreciate bird nature	Observe nature	Analytical skill, observation	Kindness, understanding , caring			Recitation
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PERIODIC ASSESSMENT – III (Lessons - 1, 2 & 3 Grammar:13, 14, 15, 16, 17 & 18)

5.Thanksgiving (poem) Grammar: 19.Preposition 20.Conjunction	4 6	Gratitude and appreciation	www.w3schools.com	They are aware of how to be thankful in life	Practice conversation involving 'thank you', 'sorry' and 'please'	Positive thinking	1)Recite a poem And gain Knowledge of Rhyming words And their Pronunciation 2)Understand The positive, Thankful mood And tone of The poem	1).Students gain The skills to Recite, listen And speak fluently 2)Develop ethical Values such As gratitude, And Appreciation	Practice conversation	Moral values, positive thinking	Gratitude and appreciation	Lab Activity/ Project: Conversation practice.	Poster making	Speaking activity
6.The Great Flood in the Yellowstone Valley Grammar: 21.Interjection 22.Comprehension 23.Composition 24.Words	10 10	Preservation of nature and environment	Textbook, google	They are aware of the importance of preserving nature	Ask them to make posters on preserving nature	Love and care towards living beings	1)Read a prose Comprehend The text, and Answer questions 2)Acquire Information About the Ancient tribes, And their people And nature Friendly way of	1)Gain communication Skills, listening Speaking skills 2)Develop ethical Values such as Preserving Nature and Environment	Poster making on environmental protection	Observational skills, problem solving and analytical skills	Love towards nature			TP
7.Grow More Trees	10	Saving trees	www.w3schools.com	They are familiar with the advantages of trees	Describe a picture showing cutting trees	Caring birds, saving environment	1)Understand The severe Impact of Cutting trees 2)Writing Informal letter.	1)Develop a Strong Inclination to Know more about Nature etc 2)Writing and Speaking skills	Picture description	Productivity and creativity	Appreciation Towards nature	Lab Activity/ Project: Formal letter writing		Description

ANNUAL EXAMINATION (Lessons - 5, 6 & 7, Grammar:19, 20 & 21)

SUBJECT : MALAYALAM

and Name		Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
1. $1000 : 100000$ $1000 : 100000$ $100000 : 100000$ $100000 : 100000$ $100000 : 100000$ $100000 : 100000$	4	10000 100 100000	www.hindialphabet.com	1000000 1000 100000 100000 100000 1000000 100000 10000	1000000 1000 100000 1000000 10000	10000 10000	100000 1000000	100000 10000 10000	1000-1000 1000000 1000-1000 1000000 100000	1000-1000 1000000 10000 10000	Lab Activity/Project: List out the Computer memory			
2. $1000 : 3$ $100000 : 3$ $100000 : 3$ $100000 : 3$ $100000 : 3$ $100000 : 3$	2	10000 100 100000	www.hindialphabet.com	1000000 1000 100000 100000 100000 1000000 100000 10000	1000000 1000 100000 1000000 10000	10000 10000	100000 1000000	100000 10000 10000 10000	1000 1000 1000000 100000	1000-1000 1000000 10000 10000	10000 100 10000 100000 100000	Activity/ 100000 100000		Oral TP,

PERIODIC ASSESSMENT – I – (Lessons 1, 2, 3 & 4)

3. $1000 : 4$ $100000 : 4$ $100000 : 4$ $100000 : 4$ $100000 : 4$ $100000 : 4$	4	10000 100 100000	www.hindialphabet.com	1000000 1000 100000 100000 100000 1000000 100000 10000	1000000 1000 100 100000 1000000 10000	100000 100000 1000000 10000	1000 1000 1000000 1000000	1000000 10000	1000 1000 100000	10000 100000	10000 100 10000 100000 100000	Activity: 100000 1000000		Oral TP,
4. $1000 : 5$ $100000 : 5$ $100000 : 6$ $100000 : 6$ $100000 : 6$	4	10000 100 100000	www.hindialphabet.com	10000000 1000 100000 100000 100000 1000000 100000 10000	1000000 100 1000 100000 100000 100000 1000000 100000 10000	100000 100 100000 10000	1000 100 1000000 100000	1000 1000000 100000	10000 100000 10000000 10000	10000 100 10000 100000 100000	Individual Activity: 100000 1000 100 10000 100000 100000		TP,	
5. $1000 : 8$ $100000 : 8$ $100000 : 8$ $100000 : 8$	4	10000 100 100000	www.hindialphabet.com	10000000 1000 100000 100000 1000000 100000 10000	1000000 1000000 1000 100 100000 100000 1000000 100000 10000	100000 1000000 100000	1000 100 1000000 100000	1000000 100 100000 100000	10000 10000				TP,	

HALF YEARLY EXAMINATION – (Lessons - 5, 6, & 7)

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PERIODIC ASSESSMENT – III (Lessons - 8, 9, 10, 11)

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ANNUAL EXAMINATION – (Lessons - 12, 13 & 14)

SUBJECT : SCIENCE

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	Life Skills/21 st century skills	Ethics and Values	Subject Enrichment	Multiple assessment	Assessment
1. Living and Non-living things	6	Living and Non-living things	www.wikipedia.com	Interactive Session	Realize the characteristics of Living and non-living things	Features of Living things	Understand what living things do	Learn about the characteristic features of living things	Discover the role of livings in the environment	Self-awareness	Knowledge	Develop knowledge about the different things around them	Group Activity	Make a list of Living and non-living things
2. Animals and Human Beings	6	Features of animals, Cold blooded and warm blooded animals	www.wikipedia.com	Recall the features of animals	Gain knowledge about the unique characteristic features of human beings	Cold blooded and warm blooded animals	Compare the features of animals with human beings	Develop the knowledge about the differences between animals and human beings	Realize the features of animals	Self awareness	Knowledge	Discover the role of animals in relation with human beings	Individual project	List the cold blooded and warm blooded animals
3. Kinds of plants	6	Herbs, shrubs and trees. Biennial, annuals and perennials	www.wikipedia.com	Interactive Session	Identify the different types of plants grown in different habitats	Annuals , biennials and perennials	Classify the plants according to their growing pattern as annuals, biennials and perennials	Learn about the places conducive to the growth of plant types based on their habitat	Develop knowledge about the plants based on their flowering pattern	Self Awareness *creativity	Appreciate Nature	Discover the role of the growth of plants based on life span	Integrated project	Write a note on different types of plants

PERIODIC ASSESSMENT I (Lessons 1, 2 & 3)

4. Parts of a plant and their functions	8	Root, stem, leaf and flower	www.britanica.com	Analyze the different parts of a plant	Gain knowledge about the different parts of a plant	Functions of each part of the plant	Describe every part of the plant	Learn about the functions of the different parts of the plant	Develop knowledge about flowers and seeds and their uses	Thinking skill *creativity	patience	Discover the role of leaf in plants	Individual project	Write about the functions of each part of plant
5. Feeding habits of animals	6	Herbivores , omnivores and carnivores	Oxfordareal.com	Recall the different groups of animals based on their feeding	Characterize the structural features of herbivores, carnivores and	Beaks , features of rodents, and food chain	Classify the different types of beaks	Learn about how animals adapt to	Develop knowledge about the different beaks	Critical thinking	Appreciate nature	Discover the presence of teeth according to	Discussion	Oral Quiz

				habits	omnivores		present in birds according to their habitat	suit their feeding habits	and their usage			animals food habits		
6. Movement of animals	7	Features of birds, feathers and their function	www.wikipedia.com	Recall the type of movement exhibited by different group of animals	Comprehend how reptiles have modified body parts suited to their habitat	Different types of feathers on birds	Explain the different living habits among mammals	Learn about the body parts responsible for movements in animals	Develop knowledge about the different aquatic animals and their adaptations to swim in water	Creative thinking *flexibility	Self-awareness	Discover the role of feathers in helping birds fly	Interactive learning	Write a note on functions of feathers on birds and their functions
7. Homes of animals	6	Different homes of birds	www.wikipedia.com	Recall about the homes of different animals which the students have previously studied	Understand the nesting habits of birds	Natural homes	Describe the structure of homes provided by human beings to animals	Learn about the homes provided by human beings to animals	Develop knowledge about the nesting habits of birds	Knowledge	Self-awareness	Discover about the habitat of different animals	Interactive learning	Make a list of natural homes built by animals for their living

HALF YEARLY EXAMINATION (Lessons - 4, 5, 6 & 7)

8. Human body; Parts and Sense organs	12	Human body and sense organs	www.wikipedia.com	Interactive session	Sense organs and their functions	Body parts ; organ system	How the different systems of human body function	Identifies the organ systems	Identify the sense organs	Creative thinking *flexibility	Self awareness	Oral Quz	Group activity	Make a chart based on Sense organs and organ system
9. Food and nutrition	7	Grouping of animals and their foods	www.nationalgeographic.org	What are the basic for us	Sources and importance of food	Grouping of animal Animal food	To understand about the animal habitat and their foods	Identifies simple feature of animals and their activity	The idea about every one having their own food cycle	Social skills *leadership	kindness	Make a discussion about animal grouping	Discussion	Paste pictures of animals based on nutrition
10. Health and hygiene	6	Importance of personal hygiene	www.wikipedia.com	Understand the importance of keeping the surrounding and body clean	Gain an understanding about the need to keep their surroundings clean and to follow healthy habits	Importance of personal hygiene, healthy eating habits	List out the various ways in which one may keep one's body healthy	Learn what personal hygiene is and the various habits they must follow to keep their body clean	Develop an understanding the importance of outdoor exercise and adequate sleep to stay healthy	Knowledge	Critical thinking	Discover the environments in which diseases such as malaria and dengue can spread and how to keep a clean environment	Group activity	Write about healthy toilet habits

PERIODIC ASSESSMENT III (Lessons - 8, 9 & 10)

11. Matter and its properties	5	States of matter, solid liquid and gasses measurement of matter	www.wikipedia.com	Discuss the different states of matter with water as an example.	Solutions and solubility , measurement of matter	States of matter	Identify the physical properties of matter through experiments	Use different forms of matter in our daily life	The skills to observe properties of materials and describe them.	Critical thinking	Knowledge	Discussion	Lab activity	Oral quiz
12. We	7	seasons	www.nationalgeographic	Asking about	Take remedial	Water cycle	To realize	Learn	Identify	Creative	awareness	Make a poster		Role

ather and seasons.			.com	sun and earth	measures to protect our surrounding	seasons	about weather season water cycle	more about water cycle	seasons and its changes	thinking		of water cycle	Tp	play about water cycle
13. Uni verse and Solar systems	14	Our Universe Galaxy, solar system	Oxfordareal.com	Solar system	Knowledge on position of planets and its features	Sun Planets, satellites, Moon,stars	Understand the nature of science	Realize the solar system	Identify the planets in the solar system	Critical thinking	knowledge	Demonstratio n using word cloud	Lecture	Oral Quiz
14. Ou r environm ent	5	environment	www.britanica.com	Asking about living things and its basic needs	Recognize about living things and components of earth	Air Water Soil	Understand about environmen t	Awarenes s about environm ents	Protection of nature	Self awareness *flexibility	protection	Give a brief note on inter dependence between living components	Making slogans	Make a debate on depende nce and inter depende nce in animals

ANNUAL EXAMINATION (Lessons - 11, 12, 13 & 14)

SUBJECT : SOCIAL SCIENCE

Chapter Number and Name	No. of Peri ods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based learning	21 st Century Skills	Ethics and Values	Subject enrichment	Multiple Assessment	Evaluatio n
1 Early human beings	5	* sources	www.tulippublications.com	Various sources to study the past	Conservation of historical buildings	Sources of history Reconstruction of the past	Familiarize major developme nts	*Identifie s different types of sources		Critical thinking	appreciation	Picture collection		Test paper
2 Story of farming	5	*Hunting and gathering *Stone tools	www.indiamart.com	Knowledge about stone age	Importance of settlements	*pre history *art	Appreciate the skills and knowledge of hunter-gatherers	*explains the broad developm ent during ancient	Collection of pebbles of different shapes and size	Application	Appreciation	Map work		find the earliest crops
3 the story of wheel	6	*vehicles * phases of wheel	www.extramarks.com	Knowledge about vehicles	*transportation	Neolithic period	To understand importance of wheel	*explains the evolution of man's life		Critical thinking	vision	Discussion	Assignmen t	Textual exercise

PERIODICASSESSMENT -1 (Lessons - 1, 2 & 3)

4 India-physical features	5	Physical divisions of India	Map	Specialties of various land forms	Protection of our nature	*Physical divisions of India	To appreciate the need for	To study about various	Relationship of each landforms with	Remembering	Integrity	Assignment		Map work
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							conservation	landforms	human life					
5 India Rivers	5	rivers	www.indiamart.com	Knowledge about rivers	Perennial rivers	*Names of rivers	Appreciate the diversity of early civilization	Explain broad developments in the plains	Various pictures	understanding	Appreciation	Map work		Locate and label rivers
6 states of India	6	States Union territories	www.extramarks.com	Knowledge about states	The importance and contributions of states	28 states - capitals	Understand the names and locations	Locate sites	Comparison with other states	Remembering skill	Respect	Map work		Textual Exercises

HALF YEARLY EXAMINATION (Lessons - - 4, 5 & 6)

7 India unity and diversity	5	Major diversities	www.ipgbook.com	Integrity of India	Specialties of unity	*diversities languages	Understand the importance of unity in diversity	Recognize the diversities	Comparative studies	Understanding	Integrity	Role play		Class TP
8 Delhi	4	Language Metro lifestyle	www.indiamart.com	Knowledge about the capital city	Specialties of cities	*monuments metro	To understand the demerits of metro cities	Discuss the specialties of Delhi	Interconnection of different states	Remembering	Integrity	Photos		Identify the monuments
9. Mumbai and kollatha	7	Metropolitan cities	News paper	Knowledge about city life	Sources of early history	Monuments	To understand the life style	Discuss the merits of these cities	Compare the two cities	understanding	respect	Paper cuttings		Identify the places

PERIODIC ASSESSMENT –III (Lessons - 7, 8 & 9)

10 Chennai and Thiruvananthapuram	6	Differences of two southern cities	www.ipgbook.com	Understand the major specialties of cities	Differentiate the life style	Language festivals	Importance of city life	Describe the differences	Influence of climate	understanding	locate	Locate		Map work
11, Bengaluru and hyderabad	8	Types of vegetations	Videos	Different climatic conditions	Conservation of monuments	*life style	Importance of developments	To study about its relevance of metro cities	Importance of metro trains	realization	Acceptance	photos	Subject Integrated	Test paper

ANNUAL EXAMINATION (Lessons - 10 & 11)

SUBJECT : MATHEMATICS

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
		Understanding		1.Numbers and	Counting number	1.Abacus	Able to learn	1.Learn to	Count body	Problem	Self			

1.Numbers up to 10,000	10	of 4-digit numbers and their comparison and estimation	www.google.com www.youtube.com	number names of 3-digit numbers and their expanded form, place value, Comparison 2. odd and even numbers	of body parts Length of different rivers Reading and writing of amount of money	2.Place value ,face value and expanded form 3.Comparing numbers 4. Formation of numbers 5.Successor and predecessor 6.Odd and even numbers	about numbers and number names and form 4-digit numbers 2. Able to compare numbers 3. Identify odd and even numbers	form numbers with the given digits 2. Learn to design numbers in the right sequential order 3. To differentiate odd and even numbers	parts Count class room objects	solving Numerical ability Language skill	appreciation when reading and writing 4 digit numbers	Activity – Make abacus of 4 digit numbers		1.Doing textual work 2. Worksheet 3.Conduct TP
2. Addition	8	1.Understanding of the concept of addition	www.google.com www.youtube.com	1.Adding given objects 2. Addition tables	Shopping time addition is used	1.Addition with and without regrouping 2.Word problems	1.Able to add 4 digit numbers with and without re grouping	1.Can solve simple daily life problems using addition	Count and add objects Total items ,total amount can found	Problem solving skill Thinking skill	Self appreciation when finding total amount on shopping time.			1.Doing textual work 2.Worksheet 3.Conduct TP
3.Subtraction	10	Understanding subtraction with and without regrouping	www.google.com www.youtube.com	subtracting 2- and 3-digit numbers 4.Greater number and smaller number	Shopping time we can checking balance.	1.Subtraction with and without regrouping 2.Word problems 3.Mix of addition and subtraction	1.Able to subtract 3- and 4-digit numbers with and without regrouping	Solve simple daily Life problems Based on subtraction of numbers	Checking balance	Problem solving Thinking skill while evaluating	Excitement of getting answers	Work sheet – addition and subtraction		1.Doing textual work 2.Woerksheet 3.Conduct TP

PERIODIC ASSESSMENT- 1 (Lessons - 1 , 2 & 3)

4.Multiplication SEM 2 1.More on multiplication	11	Understanding multiplication of numbers	www.google.com www.youtube.com	2. Tables from 1 to 10	number of wings in 5 birds etc.. Number of legs in 6 cows. etc	1.Multiplication on the numberline 2.Tables 1-10 3.Multiplication of 2 digit ,3 digit by 1 digit and 2 digit 4. Word problems 5.Doubling	1.Able to learn repeated addition 2. Able to understand tab 3. Able to learn large numbers multiplication	1.Gain the knowledge repeated addition is called multiplication 2.Construction uses multiplication facts(tables 2,3,4,5 and 3. Solve simple Daily life Problems Based on Multiplication	Count and add pencils in your hand (repeated addition)	Manipulative skill - adding using various methods Problem solving skill	Excitement of getting answers. Confidence	Activity : Using class room items make Multiplication facts		1.Doing textual work 2.Worksheet 3.Conduct TP
7.Geometry	8	Understanding of 2D shapes and 3D shapes Understanding of lines, point, ray and line segments	www.google.com www.youtube.com	Know about different items have different shape Types of lines, Drawing lines	1 Reason behind the shapes of objects e.g.- scale, ball, pipe etc.	1.Plane shapes 2.Solid shapes 3.Comparison 4.Pyramids and prism	1.Able to recognize Plane shapes and solid shapes 2.Able to find Number of vertices Edges and faces	1.Gain knowledge Of recognizing plane shape and solid shape 2.Develop Comparing Shapes and plane shape	Observing surroundings and identifying shapes around us.	Observation skill Listening skill Spatial skill	Say sorry to others when destroying items What would happen if you played foot ball with a cube and not a ball?	Activity : Make arts forms using shapes	Lab activity Touch find the shapes.	1.Doing textual work 2. Worksheet 3.Conduct TP

5.Money	8	Understanding the importance of money	www.google.com www.youtube.com	Addition and subtraction of money	They can find the price of item purchased in their home	1.Writing in figures 2.Conversion 3.Addition and subtraction 4.Word problems	1.Able to write Given amount 2. Conversion of Money 3.Add and subtract Rupees and paise	1.	Checking balance amount and total amount	Skill of calculating total amount Problem solving skill	Value money in their life. Save money How can we help our society using money			1.Doing textual work 2,Asking questions 3.Telling time 4. Worksheet
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HALF YEARLY EXAMINATION : Sem 2 (Lesson 1) , 4 , 5 & 7 (Sem 1)

2.Division	12	Understanding division of 2 digit, 3 digits and 4 digits by 1-digit numbers	www.google.com www.youtube.com	Tables 1-10 Subtraction	Reason behind equally sharing items in daily life	1.Equal sharing equal grouping 2.Repeated subtraction 3.Properties 4.Facts 5.Long division With and without remainder 6.Word problems 7.Division by 10,100,1000	1.Able to Understand division Is a process of Repeated Subtraction, equal Grouping and Sharing 2. Able to Understand division and multiplication related 3. Able to learn Division of 2 digit And 3 digit by single digit=	1.Discover division is the reverse process of multiplication 2. Discover importance of division in daily life	Sharing sweets and items to their friends Equally.	Problem solving skill Numerical skill	Value of numbers Sharing sweets to their friends Equally	Activity:Divide class room items equally among friends then make division facts.		1.Doing textual work 2.Asking questions 3.Work sheet 4. Conduct TP
3.Fraction	7	Understand fractions and their comparison	www.google.com www.youtube.com	Equally dividing the item, part of a whole	Reason about each part of the whole item	1.Half 2.Quarter 3.Fraction of a collection 4.Fraction on the number line	1.Able to Understand the Concept of Fractions. 2.Able to understand the terms numerator and denominator 3.Able to Represent fraction On the number line	1.Gain a Understand the concept of Fractions 2. Learn to represent Fraction from Given collection 3. Discover Necessity of Fraction in	Showing paper cuts or biscuit and dividing equally and telling fraction of each part	Social skill Problem solving	Sharing water to their friends equally	Activity : Paper folding activity for representing fractions	Table Recitation : Multiplication tables	1.Doing textual work 2.Asking Tables 3. Conduct TP 4. Worksheet
7.Symmetry and Patterns	5	Understanding of patterns and symmetrical figures	www.google.com www.youtube.com	Know about patterns of saree, floor etc. Half of the picture	1.Leaf arrangements, flower petals etc. 2.Tile arrangements	1.Symmetry 2.Patterns 3.Tessellation	Able to identify and completing patterns	1.Learn to observe patterns and complete the patterns 2.Extends patterns simple shapes 3.Fills a given region leaving no gaps using tile of a given shape	Observing patterns and symmetry in our daily life situations	Manipulative skill Creative skill	Listening and observing Appreciate the beauty of different patterns	Project : Making symmetrical images using string and water color		1..Doing textual work 2. Conduct TP 3. Worksheet

8.Data Handling	5	Understanding pictographs and data	www.google.com www.youtube.com	Sorting different items from the collection	Data used in different fields	1.Tally marks 2.Pictograph	1.Able to write tally marks for data 2.Represent given data using pictograph 3.Able to use the given key to prepare a pictograph	1.Learn to represent data using marks, represent pictorially and draw conclusions 2.Discover that Data can be analyzed easily using tally marks pictograph	Collecting information and represent using tally marks	Creative skill, special intelligence	Organizing books in the shelves			1.Doing textual work 2.Worksheet
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PERIODIC ASSESSMENT - III Sem 2 (Lessons - 2 , 3 & 7)

4.Length	7	Understanding of conversions of lengths and its addition and subtraction	www.google.com www.youtube.com	Measuring length using different items and scale	Take length , distance and height of different items And can find tallest and shortest items.	1.Conversions 2.Addition and subtraction 3.Word problems	Able to learn a measuring length	Measures length and distance using standard units	Measuring different items length	Creative skill Measuring skill	Joy of finding their heights.			1.Doing textual work 2.Asking questions 3. Conduct TP
5.Weight	7	Understanding of conversions of weight and its addition and subtraction	www.google.com www.youtube.com	Heavy , Light Gram and Kilogram	Measure fruits ,vegetables etc. weight.	1.Simple balance 2.Conversions 3.Addition and subtraction 4.Word problems	Able to learn a measuring weight	1.Understand every object its own weight	Measuring different items weight	Measuring skill Reading skill	Appreciation of knowing their own weight			1.Doing textual work 2. Worksheet 3.Conduct TP
6.Capacity	7	Understanding of conversions of capacity and its addition and subtraction	www.google.com www.youtube.com	Amount of liquid occupied in a container	Quantity of milk , oil etc in cover and milk is useful for our health	1.Conversions 2.Addition and subtraction 3. Word problems	Able to learn a measuring capacity	2. compares capacity of different containers	Students can measure their daily use items capacity and can compare different items capacity	Measuring skill Reading skill	Satisfaction of knowing different items capacity	Activity ; Take them to the lab and demonstrate different measurements		1.Doing textual work 2. Worksheet 3.Conduct TP
SEM 1. 6. Time	10	Understanding of time, days and months	www.google.com www.youtube.com	Know about Morning, noon, evening, night, days, months name	Reason For the day and night Important days Meals on time every day	1.Calculating minutes 2.Tell the time 3.Second hand 4.A.M,P.M 5.Calendar 6. Time line	Able to tell time the names of weeks months	1.Learn to represent time to the using a clock 2. Develop responsibility in knowing time 3.Identifies particular days and date on calendar.	Showing clock and telling time	1.Social skill Manipulative skill comparing the given period of time	Responsibilities – value of time Punctuality	Activity : Draw a clock according to the given time		1.Doing textual exercise 2.Worksheet 3.Conduct TP 4.Asking time

ANNUAL EXAMINATION – (Lessons - 6 (Sem 1) , 4 , 5 , 6 & 8(Sem 2)

SUBJECT: INFORMATION TECHNOLOGY

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
1. Computer System and its Working	4	Study of Parts, Working of Computers	www.tutorialspoint.com	They are aware about computer uses in daily life	Ask them to detail about the different characteristics of computers	Types of computers Working of computer Characteristics	Learn about different types of Computer characteristics,	Identify the Uses of computers Computer Types	Detailing about the uses of computer.	Productivity and Innovation, Creativity, Art integration,	They can study how the computers are important in the day to day life.	Lab Activity/Project: Explore the Computer in different place.		Oral TP, Identification of Pictures
2. Computer Hardware and Software	2	Study of H/W and S/W	www.tutorialspoint.com	They are aware about main computer parts	Ask them to find out additional computer parts	H/W parts S/W parts	Able to handle Computer H/W and S/W parts	Able to find out H/W and S/W parts.	Detailing about additional computer parts	Productivity and Innovation, Creativity, Art integration,	They can Study the safety in H/W and S/W	Lab Activity/Project: Paste H/W parts		Oral TP, Identification of Pictures

PERIODIC ASSESSMENT – I (Lessons - 1 & 2)

3. Operating System: Windows 10	4	To study about OS : Windows 10	www.tutorialspoint.com	They are familiar Mobile OS	List out e some OS	Working Starting an App	Learn OS working	Learn about Computer OS	Identification of Computer OS	Productivity and Innovation, Creativity, Art integration	Students will think about the way of computer OS working	Activity: Draw Windows 10 LOGO		Oral TP, Identification of Pictures Drawing
4. Fun with Paint	4	To study Drawing S/W Paint	www.tutorialspoint.com	They are familiar with Drawing S/W Tux Paint	Make the a list of some Drawing APP	Starting Tools	Learn about Different Paint Tools	Learn about Paint – A Drawing app	Explore the uses of Paint	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will study how to draw an effective picture	Individual Activity: Draw your school		Oral TP, Identification of Pictures Drawing
5. Stykz – An intr	4	To study about figure animation	www.tutorialspoint.com	They are familiar with M S Paint	Tell the students to compare the different drawing S/W	New Document Animating	Learning Animation in Stykz	Use Stykz Effectively.	Make an animation of favourite things	Productivity and Innovation, Creativity, Art integration,	They will be aware about the benefits of animation S/W	Lab Activity/Project: Prepare an animation of		Oral TP, Identification of Pictures Drawing

										Flexibility and Adaptability		favourite game		
HALF YEARLY EXAMINATION – (Lessons - 3, 4 & 5)														
6. Word Processor Word 2016	4	To study Word	www.tutorialspoint.com	They are using Mobile Keypad.	Make the children to do typing using Word	Types Components	Learn about Word as A typing S/W	Study about Word Window	Experience and explore about different Word Processors	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will study how to use word effectively	Lab Activity/Project: List Components of Word Window	Integrated Project	Oral TP, Identification of Pictures Drawing
7. Using Word 2016	4	To study Word	www.tutorialspoint.com	They are using WordPad	Make the children to do typing using Word	Selecting Formatting Saving Opening Exiting	Learn about More Word options	Study about Word Window	Experience and explore WPS in Mobile	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will study how to prepare a document in word effectively	Lab Activity/Project: Prepare a your address	Integrated Project	Oral TP, Identification of Pictures Drawing
PERIODIC ASSESSMENT – III (Lessons - 6 & 7)														
8. Internet: An Introduction	4	To study the basics of Internet	www.tutorialspoint.com	They are familiar with Online Classes	Tell the students to about how they attended online classes in the Covid time	Uses Terms of Internet	Learning Internet Wisely	Study about how to use Internet Safely	Making your Learning more effectively using Internet	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability Innovation	Students can be aware about the demerits of while using Intent	Lab Activity/Project: Search Your School Web site	Art Integrated Project	Oral TP, Identification of Pictures Drawing
9. Basic of Coding: Algorithm and Sequence	4	To study Coding	www.tutorialspoint.com	They are familiar with Patterns	Tell the students about the importance of Coding	Algorithm Branching Abstraction Debugging	Learning About Algorithm	Use Coding in effective way	Making and handling Step by step for a problem	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will be aware about the benefits of Coding in their day to day life and Mathematics	Lab Activity/Project: Step prepare - Making e a juice -		Oral TP, Identification of Pictures Drawing
10. Coding: Introduction to Scratch	4	To study Scratch	www.tutorialspoint.com	They are familiar with animation	Tell the students about the importance of Scratch	Starting Scratch Interface Working with Sprites Using Script form Blocks	Learning About Scratch	Use Scratch in an effective way	Making and handling Step by step for Animation	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will be aware about the benefits of Scratch S/W	Lab Activity/Project: Create animation using Sprite		Oral TP, Identification of Pictures Drawing
ANNUAL EXAMINATION – (Lessons - 8, 9 & 10)														

Grade – IV

SUBJECT : ENGLISH

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
1.Tom and His Tooth Grammar: 1.Sentences 2.Sub and Predicate 3.Sentence-type	10 8	Importance of going school	www.tutorialspoint.com	They are aware of the good habits and the importance of saying truth.	Speak about the value of saying truth always	Good habits, life skills	1)Read a classic Story, comprehend Its content and Answer Questions. 2)Learn grammar Concepts like Noun phrase And modifiers	1)Gain communication Skills, Presentation skills 2)Develop attitude Towards going To school	Speaking the truth, life skills To deal with daily Challenges of Life	Thinking skills, analytical skills, problem Solving ability	Truthfulness, Good habits	Lab Activity/ Project: Speak about the importance of saying truth always	Importance of cleanliness	Speaking activity
3.David Copperfield Goes to a New School Grammar: 4.Questions 5.Commands 6.Parts of Speech	10 10		Textbook, teachers manual	They are aware of the fact that school is a happy place	Write about their first day in school	Love, kindness, and appreciation	1)Read a prose. Comprehend Its content And answer Questions 2)Understand The setting, place And roles in The story 3)Analyse the Characters and Events in the story	1)Gain communication Skills, presentation Skills, Analytical and 2)Develop Appreciation For classics 3)Develop Critical thinking Skills, Ethical values Such as love, Kindness etc	Write about their experience in school	Critical thinking Problem solving and life skills	Love, caring and kindness	Write about a day in school	Individual Project Importance of going to school	TP
														Comparison
4.From a Railway Carriage Grammar: 7.Comm&prop 8.Abstract And Collective	4 6	Joy of a train ride	www.tutorialspoint.com	They are familiar with the journey in a train	Write about their favourite Mode of travel	Joy of travel, Awareness of Nature	1)Understand The poetic Manner in Which the poet Presents a slice Of life and Nature viewed From a fast Moving train	1)Develop Interest to Learn more About nature	Write any of their journey experience.	Critical thinking, Appreciation Of nature	Love towards nature	Activity: Write about their favourite Mode of journey	Share the experience of train journey	Paragraph writing
PERIODIC ASSESSMENT – I (Lessons - 1, 3 & 4) Grammar: 1 to 8														
5.The Blind Men and the Elephant Grammar:	10	Difficulties faced by blind men	www.tutorialspoint.com	They are familiar with the blind men story	Identifying things without seeing them	Humour, understanding	Understand the Difficulties Faced by Blind people	Develop Critical thinking	Experience some moments as blind	Productivity and Innovation, Creativity, Art	Wisdom, Appreciation And kindness	Individual Activity: Identifying things without	Difficulties faced by blind man	Individual activity

9.Count and Uncount 10.Nouns-No. 11.Nouns-gend	8									integration, Flexibility and Adaptability		Seeing them		
6.My Childhood Days Grammar: 12.Adjectives 13.Degrees 14.Articles	10	Gandhiji's life	www.tutorialspoint.com	They are familiar with the autobiography Of Mahatma Gandhi	Ask them to read Gandhiji's autobiography	Gandhiji's strong principles	Get an insight Into the life and Character of Mahatma Gand	Develop ethica Values such As honesty, Truth and Discipline	Read an auto Biography	Analytical skill, Critical thinking And ethical Values	Honesty, Discipline and punctuality	Lab Activity/ Project: Write about Mahatma Gandhi	Group activity	Chart work
8. Rain in Summer Grammar: 15.Pronouns 16.Verbs	4 8	Beauty of Rain	Textbook, google	They are familiar with the beauty of raining	Ask them to write a poem on rain	Beauty of nature, appreciation of nature	Connect with Nature through The poem	Appreciate nature	Poem writing	Love towards nature	Appreciation of nature	Write a poem		Poem recitation

HALF YEARLY EXAMINATION (Lessons- 5, 6 & 8) Grammar: 9 to 16

1.Nat at School Grammar: 17.Tenses 18.Sub-verb Agreement 19.Adverbs	10 10	Different level Of intelligence	www.tutorialspoint.com www.w3schools.com	They are familiar with their own abilities	Self introduction	Confidence, Multiple intelligence	Learn adverbs And their usage	Can speak about One's own	Self introduction	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	Love, kindness, and understanding	Activity: Giving Self Introduction	What are things you like in your school	TP
2.The Cow(poem) Grammar: 20.Prepositions 21.Conjunction	4 8		Textbook	They are familiar with different state festivals	Collect pictures of state festivals	Being kind to animals	Get basic Knowledge of An animal	Develop ethica Values such as Being kind And caring To animals	Collect details of different state festivals	Critical thinking and analytical skills	Kindness and caring	Picture collection		Individual assignment
4.Oliver's Journey Grammar: 22.Comprehension 23.Pic Comprehension 24.Paragraph Writing	10 10	Oliver Twist stories	www.tutorialspoint.com	They are familiar with Oliver Twist	Read Charles Dickens story Oliver Twist	Love,kindness	Analyse the Characters in The story and Draw suitable conclusions	Discover the Lifestyles that Existed in England at A particular time .	Read the novel-Oliver Twist	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	Love, kindness and appreciation of nature	Activity:Diary writing		Diary entry

PERIODIC ASSESSMENT – III (Lessons - 1, 2 & 4) Grammar: 17 to 21)

6.King Solomon, the Wise Grammar: 25.Notice writing	10 8	Extra ordinary Wisdom and intelligence of king Solomon	www.w3schools.com	They are familiar with the stories of king Solomon	Character Sketch of king Solomon	Wisdom and intelligence	Analyse the Characters And draw Suitable' Conclusions	Develop critica Thinking and Qualities such As wisdom and intelligence.	Write conversation	Productivity and Innovation, Creativity, Art integration, Flexibility and	Wisdom , creativity	Activity: Write conversation	Mention the name of some wise kings	TP
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11.	8		Www. Tharattu Pattu.							Language skills. Interpersonal skill	Listening			
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PERIODIC ASSESSMENT - II- (Lessons 8, 9, 10 & 11)

12.	8		w.farmer and sons stories.							Application skills. Flexibility.	Growth			
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14.	9		AbrahamLincoln stories.							Self management. Decision making	Respect			
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15.	9		Www.harappa and mohanjodharo stories.							Social skills. Interpersonal skill	Growth			
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ANNUAL EXAMINATION - (Lessons - 12, 13, 14 & 15)

SUBJECT : HINDI

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competancy learning	21 st century skills	Ethics and Values	Subject enrichment	Multiple Assessment	Evaluation
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ANNUAL EXAMINATION (Lessons 11,12,13)

SUBJECT : SCIENCE

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	Life Skills/21 st century skills	Ethics and Values	Subject Enrichment	Multiple assessment	Assessment
1. Parts of a plant and their functions	5	Parts of the plant	www.oxfordreal.com	In everyday life we experience several plants .understand the functions of different parts of the plant.	Gain knowledge about the characteristic features of plants	Functions of each part of the plant, root system and shoot system	Recognize and differentiate between root system and shoot system	Knowledge about photosynthesis helpful for maintaining the balance of the atmosphere	Awareness about conservation of plants	Creative thinking	Awareness	Draw and label the parts of plant	Individual project	Write 5 plant parts and make a description about it
2. Uses of plants	6	Uses of plants and their products	www.wikipedia.com	Human beings use plant products	Identify the product sourced from plants	Uses Appreciate plants	Recognize a part of a plant and name its use	Learn that different parts of plant are useful to make different products such as food, oil, spices and so on	Develop an interest in knowing about the variety of plants and thereby support a green environment	Scientific temper	Self-awareness	Individual activity	Individual project	Oral quiz
3. Useful animals	6	Uses of different animals to human beings	www.wikipedia.com	Special characters possessed by animals	Knowledge about how animals gets classified according to the environment in which they live in	Features of animals	Identify the animals that help in making clothes, dairy products	Learn that different animals help mankind in several ways	Develop a sense of appreciation for animals	Self – awareness	Appreciation	Discover the importance of animals in our everyday life	Individual activity	Write uses of some animals

PERIODIC ASSESSMENT I (Lessons: 1, 2 & 3)

4. Protection of animals and their environment	8	Homes of domestic animals, Natural resources	www.oxfordareal.com	Natural resources are used as homes of some animals	Realize the importance of protecting animals and their homes	Homes of animals, protect the animals	Know the various measures taken to protect the environment	Learn the steps taken to protect the natural resources and wildlife and the steps taken by Indian government in conserving	Develop a sense of appreciation for measures taken to help animals such as project tiger and	Creative thinking	Knowledge	Discover their duty to protect and help in protection and conservation of animals and the	Group activity	Write about the programs related to protection of environment
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							t and thereby wildlife	environment	so on			environment		
5. Our body	6	Different systems	www.britanica.com	Understand the importance of different organs and their positions.	Organizational and critical thinking skills	Different organ systems	Differentiate between the various systems based on their functions in the human body	The importance of functioning of the human body and the parts of each system	To understand the working of the human body	Critical thinking	Appreciation	Demonstration using word cloud	Group activity	Oral quiz
6. Preservation of food	8	Methods of preservation of food	www.wikipedia.com	Importance of food preservation	Health literacy	Preservative	Realize the need for preservation of food	Learn the various methods of preservation and preservatives that help in preservation of food	Scientific temper	Self Awareness	patience	Discover the joy in knowing about the foods they eat and how they preserved in home	Group activity	Make a sort note on preservation of food
7. Importance of vitamins and minerals	6	Types of vitamins Minerals	www.oxfordreal.com	Uses of vitamins and minerals	Health deficiencies	Fat soluble and water soluble vitamins Deficiency diseases Physical exercise	Identify sources of vitamins and minerals and their deficiency diseases	Learn about fat soluble and water soluble vitamins, and their sources	Creative thinking	Self-awareness	Knowledge	Discover the importance of physical exercise in everyday life	Individual activity	Make a note on sources of vitamins and their deficiencies

HALF YEARLY EXAMINATION (Lesson: 4, 5, 6 & 7)

8. Safety and first aid	6	Accident, first aid	www.wikipedia.com	Know the terms such as accident and first aid	First aid must be administered to the victims	First aid	Understand that accidents can occur any time	Learn about the various causes of fire accidents and types of burns caused due to such accidents	Develop awareness about possible emergency situations and safety measures to be taken	Creative thinking	Neatness	Discover about types of fractures	Individual activity	Make a short note on safety measures taken for accidents
9. Matter and its properties	5	States of matter, solid liquid and gasses measurement of matter	www.wikipedia.com	Discuss the different states of matter with water as an example.	Solutions and solubility , measurement of matter	States of matter	Identify the physical properties of matter through experiments	Use different forms of matter in our daily life	The skills to observe properties of materials and describe them.	Critical thinking	Knowledge	Discussion		Oral quiz
10. Separation of substances	6	Soluble and insoluble substances	www.wikipedia.com	Identify the soluble and insoluble substances	Methods of separation of substances	Separation of substances, soluble and insoluble substances	Identify the different methods involved in separation of soluble and insoluble substances	Learn the terms solute, solvent, solution.	Develop an understanding of sedimentation, decantation and filtration	Critical thinking	Awareness	Discover practical applications of separation of substances	Individual activity	Write a note on methods of separation

PERIODIC ASSESSMENT III (Lessons : 8, 9 & 10)

11. Air and water	8	Weather, land breeze and sea breeze	www.oxfordreal.com	Know the different weather conditions	Scientific enquiry	Land breeze Sea breeze Evaporation and condensation Water cycle	Understand the weather changes and the factors such	Learn about the process of evaporation, condensation	Conceptual understanding	Creative thinking	Self awareness	Develop the knowledge of land breeze and sea breeze	Individual activity	Make a note on land breeze and sea breeze. Draw water
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							as temperature, pressure, and moisture that affect it							cycle
12. Soil and crops	6	Layers of soil Types of soil	www.wikipedia.com	Know the importance of soil	Reasons for soil erosion	Formation of soil, types and layers of soil, Storage of grains	Identify and differentiate the layers of soil	Learn about the formation of soil, layers of soil and types of soil	Conceptual knowledge about the natural resources	Creative thinking	Knowledge	Discover the ways in which grains are stored	Individual project	Write a note on soil
13. Energy	7	Natural source of energy	www.shutterstock.com	Identify the different forms of energy and conversion of energy	Scientific temper	Conversion of energy Sources of energy	Gain an understanding of energy	Learn about the different forms of energy and sources of energy	Conceptual understanding	Critical thinking	Knowledge	Discover the conversion of energy	Group activity	Make a note on natural sources of energy
14. Our earth and moon	6	Layers of earth, Moon and its phases Tides	www.wikipedia.com	Identify and know about the movements of rotation and revolution	Scientific temper	Rotation and revolution, tides	Know about the layers of earth and their tides	Learn about the tides	Conceptual understanding	Creative thinking	Self awareness	Discover the earth movements	Individual activity	Write a note on rotation and revolution

ANNUAL EXAMINATION (Lessons: 11, 12, 13 & 14)

SUBJECT : SOCIAL SCIENCE

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based learning	21 st Century Skills	Ethics and Values	Subject enrichment	Multiple Assessment	Evaluation
1 The world we live in	5	* sources	www.tulippublications.com	Various sources to study the past	Conservation of historical buildings	Sources of history Reconstruction of the past	Familiarize major developments	*Identifies different types of sources	Various stories	Critical thinking	appreciation	Map work		Test paper
2 movements of earth	5	*rotation revolution	www.indiamart.com	Knowledge about movements	Importance of seasons	*save earth	Understand the importance of mother earth	*explains the broad development in geology	Differentiate the movements	Application	Appreciation saving earth	Picture collection		activity
3 major landforms of earth	6	*plains *plateau	www.extramarks.com	Knowledge about landforms	*protection of landforms	Physical divisions	To understand importance of geography	*explains the uses of landforms'	Various pictures	Critical thinking	vision	Discussion	Assignment	Textual exercise

PERIODIC ASSESSMENT -I (Lessons -- 1, 2 & 3)

4 modes of transport	5	Types of vehicles	www.ipgbook.com	Specialties of various transport	Protection of our nature	*land transport	To appreciate the discoveries in transport	To study about various transportation methods	Differentiate modes of transport	Remembering	Integrity	pictures		activity
5. Indias natural	5	Physical divisions of	Map	Specialties of various	Protection of our nature	*Physical divisions of India	To appreciate	To study about various resources	Differentiate renewable and	Remembering	Integrity	Assignment		activity

resources		India		resources			the need for conservation		non renewable resources					
6 water wealth and agriculture	5	Rivers agriculture	www.indiamart.com	Knowledge about rivers	Perennial rivers	*Names of rivers	Appreciate the farmers	Explain broad developments in the plains	Various pictures	understanding	Appreciation	Map work		Locate and label rivers

HALF YEARLY EXAMINATION (Lessons - - 4, 5 & 6)

7. mineral wealth of India	6	minerals	www.extramarks.com	Knowledge about minerals	The importance of the use of minerals	Types of minerals	Understand the different minerals	Locate sites	Differentiate the uses of minerals	Remembering skill	Realize	videos		Textual Exercises
8 industries	5	Types of industries	www.ipgbook.com	Knowledge about the industrial areas	Specialties of factories	*important industrial sites	Understand the importance of factories	Recognize the industrial outcomes	Comparative studies	Understanding	recognize	map		Class TP

PERIODICASSESSMENT -111 (Lessons - 7 & 8)

9. communication	7	Media	News paper	Knowledge about communication	Sources of early history	Mass communication	To understand the types of communication	Discuss the merits of these mass media	Compare the types of media	understanding	realize	Pictures		Identify the types of methods
10 government of India	6	Levels of government	www.ipgbook.com	Understand the major specialties of unity	Differentiate the departments	Central and state government	Importance of union government	Describe the governance	Influence of local self government	understanding	recognize	Paper cuttings		activity

ANNUAL EXAMINATION (Lessons - 9 & 10)

SUBJECT : MATHEMATICS

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
1.Learning Large numbers	14	Understanding about numbers up to 10 Lakhs.	www.youtube.com www.google.com	1.Read and write 3 and 4 digit numbers 2. Place values and number line.	Read the amount writing on the cheque book.	1.Numbers up to 1 lakh 2.Numbers up to 10 lakh 3.Comparing and ordering numbers 4.Forming numbers 5.Rounding numbers 6.Roman numerals	1.Understand the importance of place value and read 5 and 6 digit numbers with ease 2.Able to compare 5 and 6 digit numbers 3.Able to convert Roman numerals	1.Read and write 5 and 6 digit numbers 2.Compare numbers up to 9,99,999 3.Round off numbers to the nearest tens , hundreds, thousands	1.Able to read and write numbers up to 1 lakh in their daily situations	Problem-solving, Creative, Critical thinking,	The joy of forming numbers	Activity ; Write any one 5 digit number and represent that number on the place value chart write about that number.		1.Doing worksheet 2. Assignment 3. Text book exercise 4. Conduct TP
Lesson -2,3 and 4 (Arithmetic Operations)	9	Know about addition and subtraction of 6 digit	www.youtube.com www.google.com	1.Add and subtract numbers up to 3	Shopping time addition and subtraction	1.Addition and subtraction without regrouping and	1.Add and subtract larger numbers 2.Able to check	1.The learner creates and solves real life problems /	Gain work culture in solving systematically	Manipulative skill, Problem solving skill,	Excitement of arriving the answer		Table Recitation :	1.Doing worksheet 2.Doing textual works

2. Addition and Subtraction 3. Multiplication 4. Division		numbers with and without regrouping Understanding methods of multiplication by 2 digit and 3 digits Know about division by 1 digit and 2 digits		and 4 digit numbers. 2.Addition tables 3.Tables from 1 to 10. 4.Multiplcation by 1 digit number. 5.Place values	are important Finding total number of items or persons easily Reason behind equally sharing items in daily life	with regrouping 3.Properties of arithmetic operations 4.Word problems	the correctness of the subtraction operation 3.Identify right operation performed in the right situation Able to multiply large numbers and their properties Able to perform division of bigger numbers	situations using this operations Applies operations of numbers in daily life- 1.Multiplies 2 and 3 digit numbers		logical reasoning skill			Tables from 1 to 10	3.Conduct TP
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PERIODIC ASSESSMENT -1 : (Lessons - 1, 2, 3 & 4)

5. Factors and multiples	12	Understanding factors and multiples	www.youtube.com www.google.com	1.Multiplcation 2.Division 3.Quotient and remainder	Arrange 12 balls in different raw and columns	1.Factors 2.Prime and composite numbers 3.Multiples 4.Test of divisibility 5.Factor tree	Able to Recognize the Common factors And multiples Of the given number	1.Find factors and Multiples of numbers 2.Distinguish Between prime and Composite numbers	Finding factors and multiples of given numbers	Analytical skill, Problem solving skill	Curiosity for finding answer and appreciatio n of getting answer Confidence while applying knowledge of finding factors and multiples	Activity : Make model of factor tree of different numbers		1.Doing worksheet 2.Textual exercise 3. Conduct TP
6. Symmetry and Tessellation (SEM 2)	5	Understanding patterns using pictures and numbers	www.youtube.com www.google.com	1.Patterns around us 2.Tiles arrangement	1.Leaf arrangements, flower petals etc. 2.Tile arrangements	1.Patterns in numbers 2.Tessellation 3.Symmetry	Able to understand the terms of symmetry and Patterns	1.Shows the concept Of symmetry Through paper Folding/cutting ,ink Blots etc. 2.Identifies the Pattern in Multiplication and Division 3.Identifies and Extends geometrical Patterns based on Symmetry and Number pattern	Students accurately identify symmetric figures and patterns	Creativity Analytical skill	The joy in creating designs	Individual Project :Make symmetric figures using string, water color, and paper		1. Worksheet 2.Textual activities
7. Circles	8	Learn about circles	www.youtube.com www.google.com	1.Plane shapes 2.Round shaped items	In Olympic games one symbol used with circles .	1.Parts of a circle 2. Drawing a circle using compass	Able to know the parts of a circle and relation between radius and diameter Able to draw a Circle using compass	1.Learn the relatior Between radius and Diameter 2.Discover that different designs can be created using c	Develop Creativity While forming Different designs	Analytical skills Creative skill	Feel happy to create designs	Activity:Ma ke art using circles		1.Quiz 2.Worksheet 3.Textual works

HALF YEARLY EXAMINATION - (Lessons - 5 & 7 (Sem 1) , Lesson 6 (Sem 2))

1. Fractions	10	Know about how to simplify fractions, comparing and add and subtract like fractions	www.youtube.com www.google.com	1.Representing fractions 2.Numerator and denominator	1.Water covered by earth 2.Part of a cake or chocolate distributing the friends	1. Understanding equivalent fractions 2. Finding equivalent fractions 3. Simplifying fractions 4. Fractions of a set 5. Comparing and ordering fractions 6. Addition and subtraction of like fractions 7. Mixed fractions, proper and improper fractions	1. Able to add and subtract Fractions 2. Identifying types of fractions	Identifies half, one fourth and three fourths in a given picture	Adding and subtracting fractions	Numerical aptitude Problem solving Writing skill	Joy of using fractions in daily life	Activity: make fraction models		1. Worksheet 2. Conduct TP 3. Textual worksheets
2. Decimal	10	Understanding decimal numbers	www.youtube.com www.google.com	Fraction Division	Taking weight of items see decimal points	1. One tenth 2. One Hundredth 3. One thousandth 4. Reading decimal numbers 5. Fractions to decimals and vice versa. 6. Metric measures and decimals	Able to read and write decimal numbers Able to write fractions to decimals and vice versa	Gain an understanding of decimals Realize applications of decimal numbers	Express weight and lengths using decimals	Numerical aptitude Reading and writing skill	Self confidence to read decimal numbers	Activity : Write a decimal number and represent on the decimal place value chart		1. Worksheet 2. Conduct TP 3. Textual exercise
5. Geometry – Perimeter and Area	9	Know about to calculate perimeter of rectangle, square, Triangle and closed figures	www.youtube.com www.google.com	1. Addition 2. Multiplication 3. Closed figures and open figures	Fencing a ground and tiling a room	1. Perimeter 2. Area 3. Area of irregular figures	Able to apply the Concept of Perimeter and area And solve real life problems	Explores the area And perimeter of Simple geometric Shapes in terms of Given shapes as a Unit.	Understanding different situations for applying area and perimeter	Critical thinking Language skill	Self appreciation		Assessment 3: Worksheet	1. Worksheet 2. Conduct TP 3. Textual activities

PERIODIC ASSESSMENT – III - (Lessons – 1 , 2 & 5 (Sem 2))

3. Profit and Loss	9	Understanding of profit and loss	www.youtube.com www.google.com	Arithmetic operations	To start a business can find its profit and loss	1. Profit 2. Loss 3. Word problems	Able to understand profit, loss, selling price Able to understand loss or profit when purchasing time	Develop knowledge of profit and loss Discover the practical applications	Understanding practical application in their life	Problem solving skill Critical thinking	Confidence	Worksheet		1. Worksheet 2. Textual works
4. Metric Measures	12	Understanding standard units and conversions of units of length, weight and capacity	www.youtube.com www.google.com	1. Standard units and their addition and subtraction of length, weight	Longest river, highest building etc.	1. Measurement of length, weight and capacity/volume 2. Addition, subtraction, multiplication and division of length, weight and capacity	Able to add, Subtract, divide and multiply Measurements Able to Convert Different units of measurements	Solves simple real Situations /problems Including length, Mass and volume Using the four operations	Take Length, Weight and volume of items in their daily life	Manipulative skill Analytical skill	Self awareness about their length and weight	Activity : Worksheet		1. Worksheet 2. Textual work 3. Doing extra questions

				and capacity										
7.Data Handling	5	Understanding data, pie chart and bar graphs	www.youtube.com www.google.com	1.Data 2.Pictograph	Data used in different fields	1.Reading and interpreting bar graphs 2.Drawing bar graphs	Able to read bar Graph and Able to answer the Questions based on a bar graph	Represents the Collected Information in tables Or bar graphs and Draws conclusion	Collect information using survey and can represent using graphs	Analytical skill Manipulative skill Observation Social skill	Self appreciation Confidence Cooperation with others	Activity : Collect information about favorite food or favorite games or favorite colors etc. Then make graph.		1.Worksheet 2.Collecting information 3.Textual exercise
6.Time (SEM 1)	9	Understanding reading time and calender	www.youtube.com www.google.com	1.Telling time to the hour , half hour and 5 minutes	Reason For the day and night Important days Meals on time every day		1.Able to read The Time on a Clock 2. Able to tell Time in 24 hour Clock. 3.Know calendar 4. Conversions	Reads the time Correctly to the hour Using a clock Calculate the duration of daily activities	Understanding railway time	Observation Analytical skill Time management	Punctuality			1.Telling time 2.Conduct TP 3.Worksheet 4.Textual exercise

ANNUAL EXAMINATION – (Lessons – 3 , 4 & 7 (Sem 2) and 6 (Sem 1))

SUBJECT: INFORMATION TECHNOLOGY

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
1. Data storage and Memory	4	Study of computer memory	www.tutorialspoint.com	They are aware about computer memory basics	Ask them to detail about the different characteristics of memory	Types of Computer memory	Learn about different types of Computer , its memory	Identify the Uses of computers memory Computer memory Types	Detailing about the uses of computer memory	Productivity and Innovation, Creativity, Art integration,	They can study how the computers memory important	Lab Activity/ Project: List out the Computer memory		Oral TP, Identification of Pictures
2. Windows 10 and Folders	2	Study of OS Windows 10	www.tutorialspoint.com	They are aware about OS	Ask them to find out additional	Components of desktop	Able to handle	Able to find out Windows	Detailing about	Productivity and	They can Study the	Lab Activity/ Project:		Oral TP, Identification

				Windows 10	OS	screen	Windows 10 OS	desktop components	windows OS	Innovation, Creativity, Art integration,	safety in While using OS	RAW Windows 10 Logo		of Pictures
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PERIODIC ASSESSMENT – I – (Lessons 1 & 2)

3. Paint 3D	4	To study about Paint in 3D form	www.tutorialspoint.com	They are familiar with Paint	List out some drawing S/W	Learning about shapes	Learn to do Paint in 3D form	Learn about Drawing using paint in 3D form	Identification of different drawing application	Productivity and Innovation, Creativity, Art integration	Students will think about the way of drawing	Activity: Draw NATURE picture.		Oral TP, Identification of Pictures
4. Formatting a document in Word 2016	4	To study Formatting in Word	www.tutorialspoint.com	They are familiar with Typing S/ W WorPad	Make the a list of some Word processing S/W	Formatting Font Text Formatting	Learn about Different Formatting Options in Word	Learn about Word – a Typing Software	Explore the uses of Word	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will study how to type and do formatting	Individual Activity: Write your address and Format it .		Oral TP, Identification of Pictures
5. Word 2016 : Using Illustrations	4	To study about Shape and its operations	www.tutorialspoint.com	They are familiar with Word	Tell the students to compare the different Typing S/ W	Shapes WordArt	Learning The usage of shapes and Word art Properly	Shapes in an Effective way in Word	Make a shape and do formatting	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will be aware about the benefits of Word art and Shapes	Lab Activity/ Project: Draw one shape		Oral TP, Identification of Pictures

HALF YEARLY EXAMINATION – (Lessons - 3, 4 & 5)

6. PowerPoint 2016	4	To study Presentation	www.tutorialspoint.com	They are using Online class Video.	Make the children to do Presentation	Components Creating Saving Opening Closing a Presentation	Learn about PPT as a Presentation S/ W	Study about PowerPoint	Experience and explore about different Presentation Software	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will study how to use Presentation effectively	Lab Activity/ Project: List Components of Presentation Window	Integrated Project	Oral TP, Identification of Pictures
7. More on PowerPoint 2016	4	To study Presentation	www.tutorialspoint.com	They are using Presentation	Make the children to do Presentation Software	Slide Layout Insert Picture	Learn about More about Presentation S/ W	Study about to insert pictures in presentation	Experience and explore WPS in Mobile	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will study how to prepare a Presentation using Pictures in word effectively	Lab Activity/ Project: Prepare a PPT of your Details	Integrated Project	Oral TP, Identification of Pictures
8. Basics of Coding: Stepwise Thinking	4	To study Coding	www.tutorialspoint.com	They are familiar with Stepwise thinking	Tell the students about the importance of Coding	Stepwise thinking Reasoning Picture Puzzle	Learning About Stepwise thinking	Use Coding in effective way	Making and handling Step by step for a problem	Productivity and Innovation, Creativity, Art integration,	They will be aware about the benefits of Coding in their day to	Lab Activity/ Project: Step prepare - Making e a juice -		Oral TP, Identification of Pictures

										Flexibility and Adaptability	day life and Mathematics			
PERIODIC ASSESSMENT – III (Lessons - 6 & 7)														
9. Coding: Advanced Script in Scratch	4	To study Scratch	www.tutorialspoint.com	They are familiar with animation	Tell the students about the importance of Scratch	Scratch interface Creating Script	Learning About Scratch	Use Scratch in an effective way	Making and handling Step by step for Animation	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will be aware about the benefits of Scratch S/W	Lab Activity/Project: Create control Block using Sprite		Oral TP, Identification of Pictures
10. Coding: Creating Animated games in Scratch	4	To study Scratch blocks and commands	www.tutorialspoint.com	They are familiar with animation	Tell the students about the importance of Scratch for creating games	Crating a chase game	Learning About Scratch Blocks	Use Scratch in an effective way	Making and handling scratch as Game creator	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will be aware about the benefits of Scratch in creating Games	Lab Activity/Project: Create control Block in Game		Oral TP, Identification of Pictures
11. Internet	4	To study Intenet	www.tutorialspoint.com	They are familiar with Mobile searching using web browser	Tell the students about the importance of Internet	Internet terms Searching Information	Learning About Internet searching	Use Internet in day to day l	Making and handling Internet usage of Kids	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will be aware about the advantages and disadvantages of Internet	Lab Activity/Project: Search a web site		Oral TP, Identification of Pictures
ANNUAL EXAMINATION – (Lessons - 9, 10, & 11)														

GRADE 5

SUBJECT: ENGLISH

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
1.The Wise Little Caliph Grammar: 1.Sentences 2.Sub and Pred 3.Parts of Spee	6 8	Honesty and Trust	www.tutorialspoint.com	They are aware about true friendship	Make them speak about true friendship	Friendship, Love and trust	1)Learn new Vocabulary. 2)Analyse the Characters and Events in the Story.	1)Learn about Culture, Tradition, Lifestyle of a Different Country. 2)Develop Ethical values Such as Honesty ,trust,	Make them speak about the ethical values to be followed in life	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They can study the importance of trust and honesty in life..	Speaking activity	Make a story Individual Project	TP

								And friendship						
4. King Vikramaditya-the Wise and Generous King Grammar: 4.Nouns 5.Nouns-gend 6.Nouns-No. 7.Adjectives 8.Articles	6 6	History of India	www.tutorialspoint.com	They are familiar with many of the ancient rulers of India	Make them collect details of some ancient rulers of India.	Ancient culture and lifestyle	1)Read and Comprehend a Story. 2)Understand The setting, Plot and roles In the story	1)Learn about The kind nature Of Vikramaditya 2)Develop Habit to pursue Different types Of genres.	Collect details Of ancient Rulers of India	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	Students will develop generosity and truthfulness.	Activity: Collect notes about some ancient rulers of India	Poster making	Role Play

PERIODIC ASSESSMENT – I (Lessons 1 & 4) Grammar: 1 to 8

5.Uphill Grammar: 9.Pronouns I 10. Pronouns II 11.Verbs	4 6	Travelling	www.tutorialspoint.com	They are familiar with the tiredness while travelling	Make the children write a poem	Enjoyment in travelling	1)Understand The tone of The poem 2)Understand The mood of The poem	1)Gain recitation skill, Analytical skill And life skills 2)Develop Skills to deal With the Challenges.	Write a poem	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will study how to Face the challenges..	Individual Activity: Poem Writing		Assignment
6. The Gift of Braille Grammar: 12.Present tense 13.Past Tense 14.Future tense	6 8	Inspirational Personalities.	www.tutorialspoint.com	They are aware of the Braille System.	Make the children to prepare a picture chart of inspiring personalities and their inventions.	Great inventions and inventors	1)Read a prose Comprehend Its contents. 2)Understand inspirational personalities	1)Learn Louis Braille’s Struggles to Overcome his Blindness 2)Develop Critical Thinking and perseverance	Prepare picture chart of inspiring personalities	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will develop a positive attitude towards life	Activity: Prepare a picture chart of inspiring personalities.	Mention the importance of Braille system	TP

HALF YEARLY EXAMINATION (Lessons: 5 & 6) Grammar: 9 to 14

1.The Golden Nugget Grammar: 15.Voice 16.S-V 17.Adverbs-I 18-Adverbs-II	6 10	Human relationship	www.tutorialspoint.com www.w3schools.com	They are familiar with the value of true Friendship	Write about their best friend	Love, kindness, truthfulness.	1)Read and Comprehend A story. 2)Understand The value of Friendship And human Relationship.	1)Develop The value of True Friendship 2)Develop Moral Values such As honesty, Kindness, And sacrific	Paragraph writing	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will develop moral values such as kindness, love and honesty.	Write a paragraph about their Best friend	Qualities of a good friend	Debate
2. Magic Hat	4	Magic and magicians		They have seen magic shows	Speak about any magic they hav	Happiness and	1)Explore the Enchanting	1)Develop Values such	Speaking				Assignment	

Grammar: 19.Prepositions 20.Conjunction 21.Reported Speech	10				seen or experienced	enthusiasm.	World of magic 2)Understand The jolly, Magical mood And tone of the poem	As sharing And genero- sity. 2)Develop Idea of magi Incredible a Entertaining		Imagination, creativity and enthusiasm	Sharing mind	Speak about their experiences of magic		Speaking
4.Uncle Podger Hangs A Picture	6	Humour	www.tutorialspoint.com	They are familiar with the humorous situations in life.	Write about their favourite comic character	Logical and wise thinking	1)Appreciate The genre Of fiction 2)Learn new Vocabularies.	1)Develop Qualities Such as Efficiency And Competency 2)Discover The hilariou And comica Elements of The story..	Write about their Favourite comic Character.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	Logical thinking, Imagination, sense of humour.	Write a short passage about their favourite comic character.		Tp

PERIODIC ASSESSMENT – III (Lessons: 1, 3 & 4) Grammar: 15 to 21

6.Strange Spor Grammar: 22.Comprehen 23.Story Writin	6 6	Sports	www.w3schools.com	They are familiar with different kind of sports	Narrate a sports commentary	Teamwork, sportsman spirit	1)General Knowledge About sports 2) Articulate Fluently to hold A discussion About sports .	1)Develop team Work, honesty And sportsman ship	Commentary	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	Creative thinking, Presentation skill.	Sports commentary	Activity: Commentary Presentation	Activity presentation
8. The Way Through The Woods Grammar: 24.Article writ 25.EDiary Entr 26.Letter	4 10	Beauty of nature	www.w3schools.com	They are aware of the silent atmosphere in woods	Write an article about the importance of protecting nature	Imagination, Appreciation of nature	Learn to create Different projects/ programs.	1)Appreciate Poetic style of Language 2)Understand The sad and Gloomy mood Of the poem	1)Ddevelop the importance of nature, trees and woods 2)Develop creative writing style	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	Love of nature	Article writing		

ANNUAL EXAMINATION (Lessons: 6 & 8) Grammar:23,25,26

SUBJECT: MALAYALAM

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
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HALF YEARLY EXAMINATION (Lessons - 5, 6, 7 & 8)

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PERIODIC ASSESSMENT –III (Lessons – 9, 10 &11)

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ANNUAL EXAMINATION (Lessons 12 , 13 , 14 & 15)

SUBJECT: HINDI

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PERIODIC ASSESSMENT II (Lessons 8, 9, 10)

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ANNUAL EXAMINATION (Lessons 11, 12, 13)

SUBJECT:SCIENCE

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based	Life Skills/21 st	Ethics and Values	Subject Enrichment	Multiple assessm	Assessment
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									Learning	century skills			ent	
1. Plan ts and animals	5	Similarities and differences	Www.shutterstock.com Plant	In everyday life we experiences several plants .understand the functions of different parts of the plant.	Gain knowledge about the characteristic features of plants and animals	Photosynth esis, Structure of leaves	Know the various features of plants and animals	Knowledge about photosynthes is helpful for maintaining the balance of the atmosphere	Awareness about conservation of plants and plants	Creative thinking	Awareness	Draw and label the parts of plant	Individu al project	Write a note on photosynthesis
2. Ada ptation in plants	6	Different types of habitats	www.wikipedia.com	Special characters possessed by plants to adapt to the environment	Knowledge about how plants gets classified according to the environment in which they live in	Habitats, adaptation	Understand about the various habitats in which the plants live in	Learn about the adaptation and how plants adapt themselves to the environment	Develop an interest in knowing about the variety of plants living around us	Scientific temper	Self-awareness	Individual activity	Individu al project	Oral quiz,TP,Lab activity
3. Ada ptation in animals	6	Habitats of animals	www.wikipedia.com	Special characters possessed by animals to adapt to the environment	Knowledge about how animals gets classified according to the environment in which they live in	Features of animals	Understand about the various habitats in which the animals live in	Learn about the physical features of animals adapt themselves to the environment	Develop an understanding about the need to conserve animal habitats	Self – awareness	Appreciation	Discover more about the animals and their distinguishin g features	Individu al activity	Oral quiz,Comparison between aquatic and desert animals

PERIODIC ASSESSMENT I (Lesson 1, 2 & 3)

4. Repr oduction in plants	8	Reproduction , seeds, dispersal of seeds	www.oxfordareal.com	Know about the term reproduction	Understand the need of dispersal of seeds and the various agents involved in doing it.	Structure of seed, factors of seed germinatio n	Know how seeds germinate and the factors influencing them	Learn about the plant parts involved in the process of reproduction	Develop an understanding about seed germination	Creative thinking	Knowledge	Discover how different agents help in seed dispersal	Group activity	Write about the reproduction in plants
5. Hum an body	6	Nervous system circulatory system	www.britanica. Com	Understand the importance of different organs and their positions.	Organizational and critical thinking skills	Excretory system first aid	Understand the function of each organ system	The importance of functioning of the human body	To understand the working of the human body	Critical thinking	Appreciation	Demonstratio n using word cloud	Group activity	Oral quiz,Lab activity
6. Foo d and nutrition	8	Nutrients, Balanced diet	www.wikipedia.com	Importance of wholesome diet	Health literacy	Minerals, physical exercise	Understand the nutrients required for growth	The value of food items and to avoid wastage of food, the importance of regular exercises	Manipulate skills while solving puzzles	Self Awareness *creativity	patience	Make a chart importance of vitamin	Group activity	Make a short note about physical exercise
7. Safe ty and first aid	6	Accident, first aid	www.wikipedia.com	Know the terms such as accident and first aid	First aid must be administered to the victims	First aid	Understand that accidents can occur any time	Learn about the various causes of fire accidents and types of burns caused due to such accidents	Develop awareness about possible emergency situations and safety measures to be taken	Creative thinking	Neatness	Discover about types of fractures	Individu al activity	Make a short note on safety measures taken for accidents

HALF YEARLY EXAMINATION (Lessons - 4, 5, 6 &7)

8. Communicable and non-communicable diseases	5	Communicable diseases, immunization	www.oxfordareal.com	Know the meaning of the term disease and symptoms	Common communicable diseases	Immunization	Know the communicable diseases spread	Learn about air borne, waterborne diseases	Conceptual understanding	Scientific temper	Awareness	Individual activity	Individual project	Make a group discussion on diseases and personal hygiene
9. Environmental sanitation	6	Pollution and preventive measures	www.wikipedia.com	Identify the types of pollution	Know the types of wastes	Biodegradable and non-biodegradable diseases	Learn about the preventive measures that are to be taken to curb pollution	Learn about the types of pollution, their preventive measures	Develop awareness about environmental sanitation	Critical thinking	Awareness	Discover the uses of biogas	Individual activity	Write a note on pollution
10. Force and work	7	Types of machines, types of force	www.wikipedia.com	Know the meaning of the term force and work	Scientific temper	Different types of machines	Identify the different types of machines and know how they work	Learn about the simple machines such as lever, pulley and so on	Conceptual understanding	Self awareness *creativity	Self awareness	Discover the new concepts such as force, work and machines	Group activity	Make a group discussion types of machines

PERIODIC ASSESSMENT III (Lessons - 8, 9 & 10)

11. Air and its uses	6	Layers of atmosphere, importance of air	www.britanica.com	Know the different layers of atmosphere	Scientific enquiry	Effect of temperature, composition and properties of air	Recognize the measures that can be taken to control air pollution	Learn about the composition of air	Conceptual understanding	Creative thinking *creativity	Self awareness	Interactive session	Individual activity	Oral quiz
12. Natural resources	6	Renewable and non-renewable resources	www.wikipedia.com	To analyse imp. of energy conservation	Creative skill	Renewable and non-renewable sources of energy	Identify the natural resources around them and recognize its importance	Learn about the importance of natural resources	Conceptual knowledge about the natural resources	Creative thinking	Knowledge	Discover the ways in which natural resources may be conserved	Individual project	Write a note on conservation of natural resources
13. Light and sound	7	Sources of light	www.shutterstock.com	Differentiate between natural and artificial sources of light	Scientific temper	Luminous and non-luminous objects, shadows	Understand how luminous objects differ from non-luminous objects	Learn about how shadows are formed	Factual knowledge about the light	Critical thinking	Awareness	Discover level of sound that are harm to our ability to hear	Group activity	Science project – Light and sound
14. Natural disasters and calamities	6	Earthquake, Tsunami, and safety measures	www.wikipedia.com	Know about the different kinds of natural disasters	Observe the environment	Safe measures	Know the safety measures to be followed at the time of disaster	Learn about the natural disaster that occurred in the past	Conceptual understanding	Creative thinking	Self awareness	Discover the safety measures to be followed natural disaster	Individual activity	Assignment

ANNUAL EXAMINATION (Lessons - 11, 12, 13 & 14)

SUBJECT: SOCIAL SCIENCE

Chapter	No. of									21 st Century		Subject		Evaluation
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Number and Name	Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based learning	Skills	Ethics and Values	enrichment	Multiple Assessment	
1 Globes and maps	5	* locate places	www.tulippublications.com	Various sources to study the places	Locate continents	Sources of maps Reconstruction of sea routes	Familiarize major developments in continents	*Identifies differences between globes and maps	Usage of maps	Critical thinking	appreciation	Location		Map work
2 weather and climate	5	*rotation revolution	www.indiamart.com	Knowledge about movements of earth	Importance of seasons	*save earth	Understand the importance of mother earth	*explains the broad development in various seasons	Differentiate globes and maps	Application	vision	drawing		activity
3 Tundra region	6	*plains *plateau	www.extramarks.com	Knowledge about landforms	*protection of landforms	Physical divisions	To understand importance of geography	*explains the uses of landforms'	Various pictures	Critical thinking	vision	Discussion	Assignment	Textual exercise

PERIODICASSESSMENT -1 (Lessons- 1, 2 & 3)

4 The equatorial regions	5	Types of climate	www.ipgbook.com	Specialties of various geographical areas	Protection of our nature	*life style of people	To appreciate the protective methods	To study about various specialities	Differentiate climate and living style	Remembering	Integrity	Map practise		activity
5.Important monarchs of India	5	Different kings	Knowledge of kingdoms	Specialties of various kingdoms	Protection of our history	*monarchs	To appreciate the administration	To study about various kings	Differentiate the different kings administration	Remembering	Integrity	Assignment		activity
6 Inventions and discoveries	5	discoveries	www.indiamart.com	Knowledge about inventors	Inventions and inventors	*Names of inventors	Appreciate the discoveries	Explain broad developments in the plains	Various pictures of inventors	understanding	Appreciation	pictures		
7. the explorers	6	continents	www.extramarks.com	Knowledge about explorers	The importance of these find outs	Types of transportation	Understand the different exploring met	Locate sites	find	Remembering skill	Realize	videos		6

HALF YEARLY EXAMINATION (Lessons - 5, 6 & 7)

8 Tropical grass lands	5	Types of grasslands	www.ipgbook.com	Knowledge about the geographical areas	Specialties of grasslands	*important grasslands	Understand the importance of grasslands	Recognize the life style of people	Comparative studies	Understanding	recognize	map		Class TP
09. temperate grasslands	7	Types of temperate grasslands	www.ipgbook.com	Knowledge about the climatic conditions	Importance of climate	Life style of people	To understand the types of these lands	Discuss the merits of these lands	Compare the life in different grasslands	understanding	realize	Paper cuttings		Locate grasslands
10 The desert region	6	Life in deserts	www.ipgbook.com	Understand the major specialties in desert	Differentiate the geographical areas	Life of people in deserts	Importance of climate	Describe the food and clothes	Influence of climate	understanding	recognize	photos		activity

PERIODIC ASSESSMENT III (Lessons – 7, 8, 9 & 10)

11 The British raj and freedom fighters	7	Freedom struggle	www.ipgbook.com	Knowledge about freedom struggle	Importance of freedom fighters	Freedom movements	British administration	Explain the policies of British	Influence of thinkers	understanding	appreciate	pictures		activity
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12Human rights	6	Fundamental rights	www.extramarks	Knowledge about rights and duties	Importance of rights	Influence of fundamental rights	Importance of rights in the life of a citizen	discussion	Comparative study of rights with other nations	understanding	appreciate	Identify the duties		Child rights
13inspiring personalities	7	personalities	www.extramarks.com	Understand the important persons	Different personalities	Contributions to the world	Influence of great ones	explanation	Identify these personalities	remembering	appreciate	Photos		Collect pictures

ANNUAL EXAMINATION (Lessons- 9, 10, 11, 12 & 13)

SUBJECT: MATHEMATICS

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
Chapter 1,2 Large Numbers	12	Understanding about numbers above 5digits and its basic operations	www.google.com www.youtube.com	1.Read and write numbers up to 10 lakh 2. Arithmetic operations of numbers up to 9999	Learning of numbers beyond 9 thousand, how to write number more than 9999	1.Number s in lakhs 2.Number s in crores 3.Number s in millions 4.Compar ison of numbers 5.Roman numerals 6. basic operations of large numbers	1.Able to read and write large numbers In Indian system and international system	1.Reads and writes numbers bigger than 1000 and can do basic operations of large numbers	Check the price of vehicles	Numerical skill, logical skill	The joy of forming numbers	Activity : Write about the number in both indian system and international system		.Doing textual exercise and extra questions 2. Assignment Making big numbers using 0-9 digits
Chapter 3 HCF and LCM	8	Understanding factors and multiples	www.google.com www.youtube.com	1.Multiplicatio n 2.Division 3.Quotient and remainder	Develop the concept of factors through division of numbers and multiples	1.Divisibi lity rules 2.Prime and composite numbers 3.Prime factorizati on 4.HCF AND LCM	Able to Recognize the Common factors And multiples Of the given Number	1.Learn to find factors and multiples of given numbers 2. Learn about to find LCM and HCF	Finding factors and multiples of given numbers	Logical reasoning skill ,Manipulativ e skill, Problem solving	Confidence while applying knowledge of finding factors and multiples		Assessme nt 1 -Table recitation	1.Doing textual works 2. Asking questions 3. Doing extra questions
Chapter 7 Geometry – Perimeter, Area And Volume	6	Know about to calculate perimeter of rectangle, square, Triangle and closed figures	www.google.com www.youtube.com	1.Addition 2.Mutiplicatio n 3.Closed figures and open figures	Fencing a ground and tiling a room	1.Perimet er 2.Area 3.Area of irregular figures	Able to apply the Concept of Perimeter and area And solve real life problems	Explores the area And perimeter of Simple geometrical Shapes in terms of Given shapes as a Unit.	Understanding different situations for applying area and perimeter	Spatial intelligence, logical reasoning, language skill Analytical skill	Cleaning and build a fence around the land		Assessme nt 2 : Finding area and perimeter of your study table , note book ,text book etc	1.Doing textual works 2. Asking questions 3. Doing extra questions

PERIODIC ASSESSMENT 1 – (Lesson 1, 2 & 3 (Sem 1))

Chapter 4 Fractions	8	Understanding basic operations of fractions	www.google.com www.youtube.com	1.Like fractions comparison and operations of like fractions	Discuss and use situations from daily life in activities to develop understanding about fractional part of group like, how many bananas in half dozen of bananas ?	1.Finding equivalent fractions 2.Comparing and ordering like and unlike fractions 3.Addition and subtraction of fractions 4.Multiplication of fractions 5.Division of fractions	1. Able to compare like and unlike fractions 2.Able to do addition , subtraction , multiplication and division of fractions	Acquires understanding About fractions	Area covered by water to the total area of the world	Numerical aptitude Problem solving Writing skill	Joy of using fractions in daily life	Activity : Make fractional figures		1.Doing textual works 2. Asking questions 3. Doing extra questions
Chapter 5 Decimals	7	Understanding basic operations of decimal numbers	www.google.com www.youtube.com	Fractions	Understand the idea of decimal fractions(1/10 th and 1/100 th)	1.Converting fractions to decimal and vice versa 2.Comparing decimals 3.Basic operations of decimals	1.Able to compare and ordering decimal numbers 2. Able to do basic operations of decimal numbers	Convert fractions into decimals and vice versa	Do real life problems related to decimal numbers	Vocabulary skill Analytical skill	Self appreciation of reading decimal numbers in their daily life	Activity : worksheet		1.Textual work 2.Doing extra questions

HALF YEARLY EXAMINATION – (Lesson 4, 5 & 7(Sem 1))

3. Preparing Bills	5	Understanding to make bills	www.google.com www.youtube.com	Addition Multiplication	Shopping time Observe bills	1.Unitary method 2.Bills	1.Able to understand what is a bill 2. Able to rectify errors in a bill 3. Able prepare a bill for the given details 4.Able to memorize Items purchased 5.	1.Gain Knowledge of bill 2. Learn the details present on a bill 3. Discover the the items Purchased 4. Can cross checking bills	After shopping they can cross checking items purchased	Analytical skill Problem solving skill	Honesty - Checking balance	Activity : Prepare a bill for your grocery items purchased in your home		1,Doing text book exercise 2.Worksheet 3.Extra questions
2. Profit and Loss	8	Understanding Profit , loss, cost price and selling price	www.google.com www.youtube.com	1.Money and their conversions 2.Basic operations related to money	For purchasing items we can find its profit and loss	1.Profit and loss 2.Finding CP and SP 3.Unitary method	Able to calculate And find out if A business Transaction has Led to profit or loss	Gain an idea of Purchasing Things at a Cheaper rate And selling at a higher rate to make profit	They can find their business has profit or loss	Analytical skills Problem solving skill	Helping others for distributing			1. Doing extra questions 2.Textual work 3. Work sheet

6. Geometry - Angles	7	Understanding angles and how to draw angles using protractor	www.google.com www.youtube.com	1.Lines 2.Plane shapes 3.Point	Observe angles in their surroundings	1.Able to recognize angle is formed when 2 lines intersect. 2.Able to identify types of angles	Learn different kinds of angles and how to measure and draw angles using protractor	Explores of angles and shapes	Identify parallel and perpendicular lines in surroundings	Manipulative skill Creative skill	Self satisfaction to find angles in their surrounding	Activity – Make angles using hands	Lab activity : Make different types of angles using match sticks	1.Doing extra questions 2.Textual work 3.Conduct TP
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PERIODIC ASSESSMENT III – (Lesson 2, 3 & 6 (Sem 2))

Chapter 1 Percentage and average	8	Understanding concept of percentage and average	www.google.com www.youtube.com	1.Fraction 2.Basic operations	Finding percentage of their marks	1.Conversions 2. Average 3.Application of average and percentage	1.Able to know th of percentage that hundred 2. Able to apply p in their life situati	1.Learn the ter Percentage and Average 2. Develop the Skill of finding Average and percentage	Handle money In a proper way	Problem solving skill Analytical skill	Save money			1.Doing extra questions 2.Textual work 3.Conduct TP
4. Metric measures	10	Understanding conversions and basic operations of units of length, weight and capacity	www.google.com www.youtube.com	1.Convertions 2.Basic operations	Longest river, highest building etc	1.Conversion in length, weight and capacity 2.Addition and subtraction 3.Multiplication and division	Able to add and Subtract Measurements Conversions	Study Conversion of Units and applies The 4 Fundamental Arithmetic Operations in solving problems involving length, mass and capacity	Take Length, Weight and volume of items in their daily life	Manipulative skill Analytical skill	Self awareness about their length and weight		Assessme nt 4 Workshee t	1.Worksheet 2.Doing extra questions 3.Coduct TP
Sem 1 – chapter 6 Time	10	Understand conversions	www.google.com www.youtube.com	1.Reading time 2.Reading calendar	Reading time in both 12 hour and 24 hour clock	1.BCE and CE 2.Years , months, days , hours , minutes 3.AM and PM 4.Number of days from 1 date to another 5. Conversion 6.operations involving time	1.Able to identify minutes seconds, months years 2.Able to learn conversion of time 3. Able to apply Operations on time	Applies 4 Fundamental Arithmetic Operations in Solving Problems Involving Time intervals	Climatic changes represent in units of temperature	Analytical skill	Confidence Time is very precious- proper and effective use of time in life			1.Conduct TP 2.Doing worksheet 3.Practicing more questions

8. Graphs	5	Read and interpret data from pie chart, line graph and bar graph	www.google.com www.youtube.com	1.Data 2.Bargraph 3.Tally marks	Data and graphs can see in different fields	.Pie charts 2.Presenting data using tally marks 3.Reading interpreting data from tables 4.Line graphs	Able to read bar Graph and pie Chart Able to answer the Questions based on a bar graph and pie chart	Collects data Related to Various daily situations, Represents it in Tabular form And as bar Graph and Interprets it	Conduct survey and represent that on data	Analytical skill Manipulative skill	Self appreciation for reading a graph	Activity Collect data of your favourite subject and make bar graphs	1.Conduct TP 2.Doing worksheet 3.Practicing more questions
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ANNUAL EXAMINATION - (Lesson 1 ,4 & 8 (Sem 2) , Lesson 6 (Sem 1))

SUBJECT : INFORMATION TECHNOLOGY

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
1.Evolution of computers	4	Understanding the Computer Evolution.	www.computerhope.com	Familiar with computers, mobile phones and calculators	Reason and the phases of development in the field of computers	Development from abacus to super computers	Understanding the history of Computers.	Able to Compare the generation of computer	Use of mobile phones and computers with its latest updates.	Critical Thinking and problem solving	They will have a Vision on the development of IT industry.	Individual Activity: Seminar	Art Integrated Project	Group Discussion
2.Advanced features of Word Processor 2016	5	Study of MS Word in detail.	www.tutorialspoint.com	Documenting of simple topics.	Study of Formatting documents in a professional way	Use of different tools.	Learn different advanced Formatting tools in MS Word	Enhance the ability to use advanced formatting tools.	Formatting documents according to the given criteria.	Productivity and Innovation, Creativity, Art integration	They will neatly set any document for their future use.	Lab Activity/Project: Using different features, type and format a document		Documentation

PERIODIC ASSESSMENT I (Lessons 1 & 2)

3.Tables in Word 2016	6	Study of tabular organization of data.	www.tutorialspoint.com	Familiar with traditional tabular arrangement.	Developing the ability to organize any data in simple way through rows and columns.	Table tools	Understand the table and its Important features.	Learn to edit a table.	Excellent usage of table properties for documentation.	Productivity and Innovation, Creativity, Art integration	Arranging any data neatly in a tabular basis will be studied and can be implemented.	Lab Activity/Project: Create a document on given topic.		Formatting
4. Enhancing a PowerPoint Presentation	5	Study of preparing and presenting a presentation.	www.tutorialspoint.com	Familiar with presentations.	Preparation of presentations in a professional way.	Different formatting tools.	Enhance their ability to create a Presentation.	Attractive way of presenting a Topic.	Preparing and presenting a presentation	Productivity and Innovation, Creativity, Art integration	Arrangement of information attractively and its presentation in a professional way and in a very neat	Lab Activity/Project: Prepare presentations on given topics.		Presentation

manner.

HALF YEARLY EXAMINATION (Lessons - 3 & 4)

5. Excel 2016	5	To study the organization of data in rows and columns and to study in detail about the tools that can be used in MS Excel.	www.tutorialspoint.com	They are familiar with the software.	Let the students do all the tools mentioned in the chapter and make them aware that MS Excel is one of the most using software in daily data handling.	Ms Excel- History, Uses, Advantages, Tools.	Learn the Different features of Spreadsheet.	Edit a Worksheet according to The needs.	Making and handling real time accounts.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	Students will study to neatly arrange the data in a efficient way and they will study to integrate it together.	Lab Activity/ Project: Make a progress report of the class and Electronic shop bill. Use the features like Auto sum, Percentage, Sorting, merging Comparison etc wherever necessary.	Integrated Project	Report Creation
6. Basics of Coding: Computational Thinking	6	To study the concept of programming or coding.	www.w3schools.com	They are familiar with programming in HTML.	After teaching the entire chapter let the students to create their own programs for different problems.	Programming language- Python - Concept, Rules, Program Construction.	To explain the need of Programming	Learn how to create Programs in CPP.	To make interest in coding which will be next generation career option.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability, problem solving, critical thinking	They will study and think deeply about solving a problem in daily life also.	Lab Activity/ Project: Create programs for the given problems.		

PERIODIC ASSESSMENT III (Lessons - 5 & 6)

7. Coding: Programming in Scratch 3.0	4	Study of the software.	www.scratch.mit.edu	Familiar with graphics and animations.	Generate a simple graphic object.	Tools and usage.	Create their own exciting Projects, stories etc.	Enhance their creativity using Simple Scratch software.	Creating simple projects for cartoons.	Productivity and Innovation, Creativity, Art integration	Creativity in the field of animation and graphics can be implemented.	Lab Activity/Project: Paper presentation on the topic.		Simple Project Creation
8. The Internet And Its Services	4	Study of internet.	www.tutorialspoint.com	They are using internet.	Surf for information in the internet.	Ethics and etiquettes.	Learn about different facts about internet	Utilize search techniques.	Surf internet to get details.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	Integrate the ethics and netiquettes for using the computer systems and follow in daily life.	Lab Activity/Project: Surf about given topics.		Safe Surfing in internet

ANNUAL EXAMINATION (Lessons - 7 & 8)

Wrestling Match								for input						
								Reading and Writing.						

PERIODIC ASSESSMENT I - (Lessons– Prose – 1 & 2 Supp. Reader- 1 & 2 Gr-1, 2, 3, 18, 19 & 20)

L,2-Go Plant A Tree Grammar: 7. Auxiliary &M 8.Finite &non-f 9.Tenses Supp. Reader: 4.The wonder called sleep 5.A Pact With The Sun	4 4	Trees, nature	Google, textbook Oxford Areal https://brainly.in	Asking about students' responsibility of conserving trees	To know more about importance of trees	Trees,nature	To understand the poem To get the n words	Make Interpretation of the poem *Recites with app With app Pause and Intonation	Making poster on uses of tree and their conservation	Social-interpersonal *Information literacy	empathy	Collect Information On how trees Are useful to Mankind (social skill)	Integrated Activity- How does paper make from trees?	Note making *Neatness
L: 3 My greatest Prize Grammar: 10. Transitive & Intransitive 11. Voice 12. Subject-Verb Agreement Supp.Reader: 6.the Friendly Mongoose	5 5	Sports Hardwork,self confidence	Google, text book,library books Oxford Areal https://Olympics.com	Asking about students' knowledge about famous athletes and olympics	To know about more Olympians	Sports Hardwork,self confidence	To grasp the theme and context	Express their opinion about graphic story *Identify main ideas and character	Paste the pictures of your favourite athlete	inter-personal Skill *Communication	Hardwork and determination	Talk about the great in life		Formal application *Clarity
L: 5 Unforgettable Salim Ali Poem- If ever I Grammar: 13. Adverbs Supp. Reader: • 7.The shepherd's treasure	4 4	Family,home, friends and pets Self,home ,pets	Google,textbooks,library books Oxford Areal https://journalsofindia.com	Asking about students' knowledge about Different types of birds	To know more about ornithology	Family,home, friends and pets	To grasp the context and theme of the story To enrich new words	express the opinions the character the situations identify main ideas, character, sequence ideas& events *Asks questions reading.	Collect the feathers of birds Collect the details of birds	Emotional skill *Flexibility	Coping with emotion	Find and share any amusing stories Skill; Emotional skill A study of bird man of India (social skill)	Individual activity- Write a review of the book	Notice writing *Presentation Prepare a chart on different types of birds.

HALF YEARLY EXAMINATION- (Lessons– Prose – 3, 4 &5 Supp. Reader- 3, 4 & 5 Gr- 4, 5, 6, 16 & 21)

6.The Bravest Girl Grammar: 14. Prepositions Supp.Reader: 8.The old Clock Shop	4 2	Peace and harmony	Google, textbook Oxford Areal YouTube https://Malala.org	Asking about students' knowledge on the famous persons who fought for justice	To know more about nobel prize winners	Society, education and Peace and harmony	To grasp the context of the lesson	Identify the great personalities	Speak about any one nobel prize Winner	Social skill Communication	Coping with Stress	Reading	Write a newspaper Report	
7.The Gifts of Wali Dad Poem- peace pe peace Grammar: 15. Conjunction Supp.Reader: 9.Tansen	4 4	Peace and harmony	Google, textbook Oxford Areal YouTube lhttps://www.librarything.com	Asking about students' knowledge on the generous Persons	To study more about nobel prize winners To grasp the theme	Peace and harmony	To understand the theme at context Role play of Wali Dad	Make Simple inference Inference on the Theme *Writes and speak Speaks of Issues lik Gender equality	Make a friendship card for Malala Make inference based on the play	Cognitive-thinking skills *Creativity Cognitive-thinking skills	Decision making Social skill	Make a poster to convey a message Write a diary Entry Dramatise the play	ART INTEGRATION	Diary writing *Neatness Character Sketch Of Wali Dad

PERIODIC ASSESSMENT III (Lessons– Prose – 6 & 7 Supp. Reader- 6 & 7 Gr-7, 8, 9, 10, 22, 23 & 24)

9. Ferdinand Ma Gellan's Journey Poem- sea fever Grammar: 16.Punctuation 17. Direct and Indirect Speech Supp. Reader: 10.The monkey and the crocodile	4 4	Trees,nature Adventure and imagination	Google, textbook,library books Oxford Areal You tube https://www.britannica.com	Asking about students' knowledge on different types of trees and their specialities Asking about adventurous journeys	To know more about variety of trees To understand more about adventurous stories.	Trees,nature Adventure and imagination	To grasp the theme and Context To enrich the new word	Identify a use Describe words *Writes r Ges,invite And lette Make info based on	Draw the picture of Monkey puzzle tree Describe a place of visit	Social-interpersonal *Initiative productivity Cognitive-Thinking skills	empathy Social skill	Collect and Paste leaves (conservation of wildlife) Collect and paste wild life photos		Essay writing *Presentation Write a paragraph about adventurous journeys
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ANNUAL EXAMINATION- (Lessons– Prose – 8, 9 & 10 Supp. Reader- 8, 9 & 10)

SUBJECT: MALAYALAM

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency Learning	Skills 21'st century skills	Ethics and Values	Subject enrichment	Multiple assessment	Evaluation
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Chapter-2 000000000000 00 000	4	0000 000	pictures, video	00000000 00000 00000000 000 0000000 00	000000000 00 00000000 00000000	000000000 00000.	0000000 0 0000000 0 0000000 0000000	*00000 000000 0000 00000 00000 00000 00000 00000 00000 00000 00000 00000	Communicati on skill	0000000000 000000 00000000000.	00000000 0000000 0000000000000		0000000 00000000 0000 00000000 0.
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PERIODIC ASSESSMENT 1 (Lessons - 1, 2, 3 & 4)

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Number and Name of Chapter	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
1.Sources of Food	6	Plant parts and animal product as source of food	Diksha App https://www.le.arncbse.in	Basic concept of Living things Importance of food.	Identify different sources of food and apply the values in day to day life	Different sources of food Eating habits of Animals	Analyze the food items and identify the ingredients of different food items. Understanding different sources of food. Observe different food items and recognize if they are from the part of the plant and the respective part. List the animal products and understand how we depend on our food.	Identify the different edible parts of plants and different food from animals, apply the scientific concept in day to day life.	Skills of handling, cooking and eating food items. Identifying the parts of plants that are edible.	Observation, Creativity Self-directive	The importance and need of food will be understood by the children.	Lab Activity: To sprout seed. To research and find out feeding habits of different animals and their body adaptations for the same.	I N D I V I D U A L P R O J E C T I	Group Discussion
2.Component of Food	8	Different components of food, their sources and significance for human health, diseases due to nutrient deficiency	Diksha App https://www.le.arncbse.in	Basic concept of different sources of food. They know what is meant by health. Deficiency diseases definition and certain examples they have studied.	Understanding the calories and energy values present in different types of food. Trying to find out the calories found in junk foods. Real life experience	The different types of nutrients like carbohydrates, fats, proteins, vitamins and minerals. Deficiency diseases. Importance of water and ORS.	Understanding Different component of food and their deficiency of food	Conducts simple investigations to seek answers to queries, e.g., what are the food nutrients present in animal fodder? Relates processes and phenomenon with causes, e.g., deficiency diseases with diet; adaptations of animals and plants with their h	Skills of handling Balanced diet. Identifying a Balanced diet. Avoiding junk foods. Being able to characterize nutrient present in different types of foods.	Thinking skill, confidence building	The importance of balanced diet will be understood by the children. They will learn not to waste food, since there are a lot of people who even do not get proper nutritional food.	Lab activity- Test for carbohydrates, proteins, vitamins etc. Showing them online videos or videos in the lab and making them to do a report.		Creating a healthy balanced diet chart for a week.

3.Cleaning of Food and Separation of Substances	6	Different methods of cleaning food items.	Diksha App https://www.le arncbse.in	Basic ideas about Cleaning of food	<p>What happens when things are not separated?</p> <p>Making students to observe various activities that include separation of substance. The activities like making tea and filtering the tea powder, separation of big</p>	<p>Criteria for each techniques to be used.</p> <p>Threshing, Winnowing, hand picking, sedimentation filtration</p>	<p>Explain s the Different cleaning process Identify properties of given and select a property that help them easily separate from each other. Arrives at logical conclusion that certain specific methods can be employed to separate solid mixtures based on the size,</p>	<p>Apply the scientific concept in everyday life for separating food items, as well as other items. Conducts simple investigations to seek answers to queries about separation of substances.</p>	<p>Identification of proper methods for Cleaning and separation of substances. In their home Also, they will be able to use various techniques according to the need. For example- Separating mixture of flours.</p>	<p>Thinking skill Analytical skill, Problem Solving, Adaptability</p>	<p>Students will be able to understand the basic ideas of cleaning food as well understand its importance.</p>	<p>Lab activity- Various processes like filtration, sedimentation, decantation. Saturated vs Unsaturated Solution activity can also be shown. To separate water, sawdust and sand from the mixture.</p>		Report
					lumps from flour etc.		<p>color or weight of the components. Examine the solubility of salt in water conditions in order differentiate the solution as saturated and unsaturated Outline 's methods that can be adapted in everyday life situations such as separati</p>							

							on of husk from grains, separation of fine sand from coarse sand.						
4. Materials of Daily Use: Clothes	5	Different types of Cloth materials, Development of Clothing Materials. Source and Uses.	Diksha App Research papers, review paper and blogs.	Basic concepts about Clothes, fibers etc. About different Seasons and climate	Students will be asked to classify their dresses according to the material it is made off and will be asked to find out in which seasons or climate it can be used. Real life experience	Materials of daily use. Sources Types and Processes involved.	Elaborate the process of making fabrics from fiber. Compare different process of making fabric. Examine various fabrics in order to predict what they are made up of. Classify the given fabrics as Natural or Synthetic based on their source. Describe the processing of cotton and jute fibers into yarn in	To help the child explore the materials around them and develop and understanding of how to study them. Applies learning of scientific concepts in day-to-day life. E.g., selecting Season Appropriate fabrics Identifies materials and organisms, such as, plant fibers, flowers, on the basis of observable features, i.e., app texture, function,	Students will be able to classify the types of clothes they have and when going to new places for any reasons will have an idea about how to choose appropriate clothes based on seasons.	Critical thinking initiative, self direction, curiosity development, adaptability	Students will be able to adapt to climatic conditions with the correct choosing of clothes according to the climate.	Activity- Classification of fabrics. Water absorbing capacity of various clothes.	Individual presentations.

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PERIODIC ASSESSMENT – I (LESSONS 1, 2, 3 &4)

5.Kind of Materials	6	Classification. Basis of classification. Changes Types of substances and Properties.	Diksha App Research papers, review paper and blogs.	They have basic knowledge about the different types of substances available and the need for classification.	To understand the need of classification students will be asked to find out different substances are classified in their homes as well as outside. For example – What happens in	Types of materials. Classification of changes. Properties.	<ul style="list-style-type: none"> • understand the importance of classification and grouping materials based on similarities and differences of properties. • Identify soluble and insoluble items 	Students will be able to <ul style="list-style-type: none"> • Sort the things on the basis of common properties. • Compare different objects based on different properties. • Analyze the 	Students will be able to understand the need of classification of substances in daily life.	Critical Thinking Initiative self direction, curiosity development	Being more careful while handling various substances.	Lab activity- Mixing soil in water vs salt in water. Classification of various processes.	Class discussion	Report of various types of classification.
					a supermarket if all products are mixed together rather than putting in separate places?			importance of classification					INTEGRATED PROJECT	

6.Changes Around Us	7	Some changes can be reversed and others can not be reversed. Solubility, saturated solutions Amount of substance dissolving varies with temperature. At the same temperature amounts of different substances that dissolve varies	https://bestlearns.in	Students know the ideas about common changes around us	Students will be asked to observe various activities in home like cooking, burning papers, turning milk into curd, crumbling of paper, melting of wax and will be asked to classify these processes as reversible or irreversible. Students will be asked to do simple activities like mixing sugar in cold water vs hot water to understand temperature dependence of solubility. They will also be asked to dissolve sugar cubes vs powdered sugar to understand how powdering helps in solubility.	How things change/react with one another Classification	It will enable the students to: • Understand the application Of Sedimentation, decantation and filtration in daily life. • Understand the process of salt extraction from sea water.	Classifies materials based on observable properties, e.g., materials as soluble, insoluble, changes as can be reversed and cannot be reversed. Analyze the chemistry behind various processes.	They will understand chemical and physical changes happening around them and they will be more careful about doing something since some activities cannot be reversed. The knowledge about solubility of various substances will guide them when mixing colors, paints etc	Effective communication curiosity development, critical thinking	Understanding the chemistry behind various processes and applying it.	Various lab Activities including the including factors affecting solubility.	Lab works	• Class and home assignments
11. Moving things and Measurement	6	Need to measure distance measurement of length motion change in position with the time	Diksha App Research papers, review paper and blogs. https://www.examfear.com	Students know that basic concepts about motion and measurements	Students will be asked to find out the different means of transport in their homes. To understand measurement, they will be asked to compare different materials and to calculate the distance from their home to other places. To understand the need of standard units in measurement and why using	Moving things people and Ideas Ancient vs modern means of transport. Measurement Motion Types of Motion.	understand the importance of standard unit in the measurement of a physical quantity. • Reflect upon the different means of transportation and how the invention of wheel	Measures physical quantities and expresses in SI units, e.g., length	Students will be able to apply the knowledge and skill to calculate the time needed for a journey when they know distance. Basic understanding needed in day-to-day life.	Critical thinking initiative self direction, curiosity development. Problem Solving.	Students will learn how important is to study the concepts of motion, which made travelling much easier as well as how modern transport systems have made big development in human life.	Group activities To compare distances between various places as well as compare measurement by standard vs non-standard units of measurements.		• Class tests

							has made a major on our lives. <ul style="list-style-type: none"> • Understand the import of standard unit in the measurement of a physic quantity. • Understand the need a of measurement • Identif y the correct metho d of measu rement 							
					body parts is not standard they will be asked to measure the length of their pen/pencil with their hand as well and comparing it with their parents or sibling.									
12.Electr ic Current and Circuits	7	Electric Current Electric circuit Conductors and insulators	Diksha App Research papers and blogs. https://www.as kiitians.com ›	Students knows the basic ideas about electricity	Students will be asked to observe the working of various electrical appliances under adult surveillance. Students will be asked to think of a day without electricity. Students will be asked to draw the basic electric circuit in some of the appliances in home to understand the components.	How things work electric current and circuits. Precautions while using electrical appliances.	Compr ehend the compo nents of an electri c circuit. <ul style="list-style-type: none"> • Understand the workin dry cell • Comprehend the comp of an electric circuit • understand the parts o 	Differentiate electrical conductors and insulators on the basis of their properties , structure and Functions. Students will be able to apply their scientific learning in understanding basic electric circuits.	Students will be able to understand How careful they should be while using electrical appliances and will learn to save energy.	Critical thinki curiosity developmen t	To save energy.	Making a simple circuit using a bulb, electric cell and connecting wires	Making working model	Lab works, Tp

HALF YEARLY EXAMINATION (Lessons - 5, 6, 11 & 12)

13.Magnets and Magnetism	6	Magnetic poles of a magnet Freely suspended magnet always a line in a particular direction north and south poles. Like poles repel and unlike poles attract each other	Diksha App Research papers, review paper and blogs. https://www.dowlingmagnets.com	Students have basic idea about magnets and some of its properties.	Students will be asked to do simple experiments to understand the properties of magnet. They will also be asked to find out devices in which magnets are used.	How things work- magnets Properties of Magnet. Uses of magnet	Comprehend the principle/laws of magnetism and the use of magnets for various purposes. Outline the events responsible for the discovery of natural magnets.	Applies learning of scientific concept in day to day life; using compass needle for finding direction. Conducts simple investigations to seek answers to queries, e.g. Does a freely suspended magnet align in a particular direction?	After studying the properties of magnet as well as about how to store them students will be able to use the devices with magnets carefully. They will also be able to store it in a proper way as well. The use of magnetic needle will also be helpful.	Initiative and self-direction to Curiosity development	To use devices in a careful way.	List out the items having magnets at home/Group activity- to show magnetic and non-magnetic materials /Activities on magnetic properties. Make a magnet in order to demonstrate how artificial magnets can be created.	A R T I N T E G R A T E D	Lab works
7.Plants: For Function	8	Morphological structure and function of root stem and leaf structure of the flower differences	Diksha App Research papers, review paper and blogs.	Students know the concept about different types of plants like herbs, shrubs and trees. They know about parts of plant And also know	Students will be asked to observe the different types of plants around them. They will also be asked to do simple activities	Plant world, Parts, types And function.	<ul style="list-style-type: none"> Classify different plants into her trees Explain different parts of a plant Elucidate the functions of 	Identifies the organisms, such as, plant fibers, flowers, on the basis of observable features i.e. appearance,	They will be able to classify plants according to their appearance. As well as since they have already studied about the parts of different	Critical thinking curiosity development observation	They will know the importance of plants and their role in the ecosystem.	Field trip • Pasting of leaves having different types of venations • Flower Dissection and identifying its different parts.		P R O J E C T
			https://en.wikipedia.org/wiki/	about that photosynthesis	to find out what happens when a plant does not get sunlight for a long time as well as what happens when it does not get water etc.		root, stem and leaves. <ul style="list-style-type: none"> Compare tap root and fibrous root Explain how plants make their own food using photosynthesis 	texture, function, aroma etc.	plants that are edible it will be useful in day-to-day life.					

8. Animals: Forms and Function	8	Structure and function of the animal body human skeleton system some other animals Example fish bird cockroach snail	Diksha App Research papers, review paper and blogs. https://selftution.com	Students know the basic ideas of our body structure.	Students will be asked to observe the various joints in the body and the different muscles present. They will be asked to think about a situation if these joints and bones were not working efficiently.	Body parts and its functions. Muscles and Joints. Skeletal System. Bones and cartilage	<ul style="list-style-type: none"> Identify Different types of joints and the parts of body where these joints are found. Differentiate between cartilage and bones. Analyze the working of bones and muscles together in body 	Draws labelled diagrams / flow charts of organisms e.g., joints;	Students will be able to understand a basic idea about the physiology of human body. Knowing the basics of physiology will help them in day-to-day life.	Critical thinking initiative self direction, curiosity development	They will be able to appreciate the complex network in the human body and understand its importance.	Demonstration: Models to explain the type of movement in different joints in human body. • Hands on activity: Different physical activities will be performed by students to learn types of joints. • Observation of skeleton in biology lab	Worksheet s and poster presentatio ns.
9. Things Around Us	6	Concept living or nonliving characteristics, habitat biotic, abiotic	Diksha App Research papers, review paper and blogs.	Students know the ideas about living things and nonliving things around us.	Students will be asked to look around them and classify things into living and non-living things. They will be asked about the criteria they chose for the classification as well.	The world of the living things around.	Distinguish between living and non-living organisms based on life processes. Differentiate between the terrestrial & aquatic habitats based on their abiotic factors. Summarize the key features of living organisms that contribute to their survival in their habitats.	Relates processes and phenomenon with causes, e.g., adaptations of animals and plants with their habitats. Differentiates materials and organisms based on their properties.	Students will be able to understand the features of living organisms. The importance and need of various biotic and abiotic components in the ecosystem.	Critical Thinking Initiative and self-direction, creativity curiosity development	They will be able to appreciate and understand the interconnected ecosystem and how important it is to maintain them.	Group activity- Classification of materials based on the properties discussed.	Class and home assignments, Worksheet s, Class tests

PERIODIC ASSESSMENT – III (Lessons 13, 7, 8 & 9)

10. Habitat: Living Organisms and their surroundings	8	Habitat varies aquatic, deserts mountains etc. plants and animals show adaptation other plant part modifications like tendrils, thorns etc. animals in the desert and water	Diksha App Research papers, review paper and blogs. https://www.nextgurukul.in	The students know that various habitat by biotic components and a biotic component	The students will be asked to find out various adaptations by various animals. They will be asked simple questions like why polar bears have thick fur, why some plants have thorns. They will be asked the need of different type of clothes humans have according to	Habitats of various organisms. mode of adaptations. Morphological Features etc.	<ul style="list-style-type: none"> understand adaptations of animals living in different habitats. distinguish between living and non-living organisms based on life processes 	Relates processes and phenomenon with causes e.g.: adaptations of animals and plants with their habitats	Students will be able to understand the Importance of getting adapted to Their surroundings. Discussion of the Survival of fittest Theory by Darwin will be helpful.	Critical thinking and self-direction, creativity curiosity development, Adaptability, And flexibility	In this corporate world it is very important to adapt to the situations in this chapter give idea about scientific adaptations giving an insight to every student.	Lab activity- Research about the adaptations by every organism and their environment.	Research work and adaptation home assignments, Worksheets,
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					climates.									
14. Light, Shadow, and Reflections	8	Classification of various materials in terms of transparent translucent and opaque concept of shadow reflecting surface, laws of reflection, spherical mirrors etc.	https://physics_catalyst.com Diksha App Research papers, review paper and blogs.	Students know the idea about life energy and the basic idea of light.	The students will be asked to find about reflections happening in smooth and rough surfaces. Students will be asked a simple question- How do we see an object?	Natural Phenomena Light. Shadow, Camera etc.	Distinguish between luminous and non-luminous objects <ul style="list-style-type: none"> • understand the formati in a plane mirror • comprehend the propagation of light • understand the workin camera • be able to distinguish between an image and a shadow • understand the working of a dry cell. 	Constructs models using materials from surroundings and explains their working, e.g., pinhole camera, periscope, electric torch, etc.	Students will be able to understand the importance of light and the proces of vision. The phenomenon of reflection and refraction is very im in daily life. activities in human life like driving etc. depend or rely on such information.	Critical thinkir and self-directi creativity curiosity development	They will be able to appreciate the processes involved in vision and how technolo associated with this helped to improve the quality of human life.	<ul style="list-style-type: none"> • Shadow formation, Shadow formation with hands • Making of a pin hole Showcase of different mirrors • Activity to show that in a straight line and nII path of light 	INDIVIDUAL PROJECT	Assignment Lab work
15. Water: Rain, Thunder and Lightning	7	Evaporation and condensation Water in different states water cycle.	Diksha App Research papers, review paper and blogs. https://www.st_udyadda.com	Students know the importance of water use of water etc.	Students will be asked to analyze the usage of water in their homes. Analyze the Wastage of water. They will be asked to think of ideas for reducing the wastage pf water.	Natural Resources Importance of water Rain, Thunder, Lightening etc	Realize the importance of water Identify and enlist the different ways of water conservation and apply them in their daily life	Draws labelled diagrams / flow charts of processes, like water cycle. Suggesting ways to cope with heavy rain/ droughts. Makes efforts to protect environment and spreading awareness to adopt rain water harvesting	Students will be able to understand and analyze the usage of water. The accessing of Water usage in Homes will help them to use water judiciously. Their start up ideas Can be used in hom And in school.	Critical thinkir solving initiati direction, Curiosity Development Adaptability And Flexibility	To save wate Reduce, Reuse and recycle	Diagram of water cycle		Research an Presentation

16. Air	7	Some animals and plants live in water some live on land some live in upper layers of the soil air to breath to respire	Diksha App Research papers, review paper and blogs https://www.meritnation.com	Students have som basic idea about, components, properties of air, Air pollution	Students will be Asked to find out Components of air And uses. They will be asked To find out their contribution to air pollution.	Components of air. Properties	Understand the properti of different components of air their importance and uses Identify Various components of air. Investigate the presence of various in the air. Illustrate properties of air. Apply the knowledge of causes of air pollution so that it can be prevented.	Explains processes of variations in composition of air	Students will be able to understand the need of reducing air pollution. The analysis of individual contributions can h to reduce the pollut	critical thinkin and self-direction, development, collaboration	Reducing the Pollution Of air and th Right to clea Air.	Hands on activities to l properties. Demonstration: Oxygen is required for burning and Carbon dioxide stops burning.		Presentation
17. Waste and Waste Management	7	Waste, recycling of waste products, biodegradable and non-biodegradable waste, composting	Diksha App Research papers and blogs https://www.askitians.com	Students have basic idea about the waste generated and types of waste.	Students will be Asked to analyze The amount of waste generated at home, what type of waste it is and how is it disposed.	Waste Types Recycling Waste management	distinguish between biodegradable and non-biodegradable wastes • apply the knowledge of waste management to limit garbage generation and focus on minimizing the use of plastics • focus on the concept of Reduce, Reuse & Recycle	Makes efforts to protect environment, (minimizing wastage of food, water, electricity and generation of waste)	Students will be able to apply their scientific knowledge in segregating waste at home and their surroundings.	Skills critical thinking initiative and self-direction curiosity development	Reduce, Reuse And Recycle.	Research Project Work on Mawlynnong- The cleanest village of Asia learning: Vermicompo kitchen waste. Making reusing waste items su plastic, metals etc. Col waste and showcase of on the same.		Research Project

ANNUAL EXAMINATION (Lessons - 10, 14, 15, 16 & 17)

SUBJECT: SOCIAL SCIENCE

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based learning	21 st Century Skills	Ethics and Values	Subject enrichment	Multiple Assessment	Evaluation
1 when , where and how	5	* sources	www.extramarks.com	Various sources to study the past	Conservation of historical buildings	Sources of history Reconstructi on of the past	Familiarize major developments	*Identifies different types of sources		Critical thinking	appreciat ion	Project		Quiz
2 The earliest societies	5	*Hunting and gathering	www.extramarks.com	Knowledge about stone age	Importance of cave paintings	*pre history *art	Appreciate the skills and	*explains the broad	Collection of pebbles of different	Application	Appreciatio n	Map work		Locate and label

		*Stone tools				*case study	knowledge of hunter-gatherers	development during ancient	shapes and size					Paleolithic sites
13 The earth in the solar system	35	*solar system * phases of moon	www.extramarks.com	Knowledge about stars and planets	*space mission *constellation	satellites	To understand unique place of earth in the solar system	*explains that the earth is a unique celestial body due to existence of life		Communication Critical thinking	vision		Drawing	Textual exercise
14 The Globe	5	*latitudes and longitudes'	www.extramarks.com	Knowledge about difference between map and globe	To locate the latitude and longitudes	*rotation and revolution	To understand two motions of earth	Identifies latitude and longitudes	Model of globe	Practical skill	neatness	Map work		Textual exercise
23. Understanding Diversity	5	*Diversity	www.extramarks.com	*people around us who are different from one another	Healthy attitude towards various kinds of diversity	*Diversity in India	To understand various forms of human diversity around us	Describes diversity in India	pictures	Understanding of social problems	Criticizing		Assignment	Textual exercises

PERIODIC ASSESSMENT -1 (Lessons- 1, 2, 13, 14 & 23)

3 The seeds of a Revolution	5	*implication of farming and herding	www.extramarks.com	Knowledge about archaeological	Geometric design Used in Neolithic pottery	*Neolithic revolution *Neolithic sites	Appreciate the diversity of early domestication	Explain broad developments during ancient period	Various pictures	understanding	Appreciation	Map work		Locate and label Neolithic sites
4 The birth of a civilization	5	Pattern of Harappan civilization Urbanisation	www.extramarks.com	Knowledge about features of cities and towns	The importance and contribution of early civilization	*Indus valley civilization *Decline of the civilization	Understand the archaeological evidences of Urban centres	Locate important historical sites	Comparison with other civilizations	Remembering skill	Respect			Test paper
15 Rotation and Revolution	4	Two motions of earth	www.extramarks.com	Knowledge about the occurrence of day and nights	Importance of weather forecasting	*seasons	To understand two motions of the earth	Demonstrate day and night	Cause and effect of motions of earth	Critical thinking	Listening	Drawing of picture		Textual exercises
16 Maps and map reading	4	Essential components of maps	Map	Knowledge about different types of maps	To identify places using map	*types of map *Components of map	To develop basic skills of map reading	Locate states and UTs of India	Sketch mapping	Application	Vision	Map work	Drawing	Quiz
25 what is government	5	Functions of the government	Chart	Knowledge about administrative system	Governmental policies	*Types of government *Importance of Democracy	Gain a sense of why government is required	Describe the role of government	Role of government in our daily life	Understanding	Integrity	collage	Assignment	Textual exercise
26 Essence of democracy	5	Conflict resolution	Chart	Features of democracy	Assess the functions	Conflict resolution	Understand the key elements	To study about the features	Assess the merits of democracy	Application	Listening			
27 Local self government	3	Gram sabha and Gram panchayat	Chart	Knowledge about Panchayati raj system	Analyses the function of local government	*Functions of the Grama Panchayat	Understand the various levels	Analyses the functioning of rural and local government	Functions of different sections of local bodies	Appreciation	Respect			Textual exercises

HALF YEARLY EXAMINATION (Lessons -3, 4, 15, 16, 25, 26 & 27)

17 The realms of the earth	5	Major components	Globe	Layers of earth	Specialties of various layers	*Layers of earth	Understand the interrelationship of the	Recognize the zones of the earth	Comparative studies of various realms of the earth	Understanding	Integrity			Class TP
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							realms							
18 Continents and ocean	4	Continents and Oceans	Map	Knowledge about the names of continents and ocean	Conservation of water bodies	*7 continents *main ocean	To understand the features of each continent	Locates continents and oceans on the world map	Interconnection of different countries in various continents	Remembering	Integrity	Map work		Locate continents and ocean on an outline map
5The Vedic Age	4	Vedic period	Map	Knowledge about advent of Aryas settlements	Sources of history administrstion	*Megaliths	To understand the megalithic period	Locate Major centers		identification	integrity	Map work		
6 The Age empire	4	Mahajana pads	Map			*Magadha	To appreciate the need for an organization	To describe the features of administration	Connection between present system of government	Communication	respect	Map work		Locate the sites of Mahajanapadas
7 new ideas and new religion	4	Growth of new religious ideas	Videos	Knowledge about factors that led to its growth	Similar ideas of different religious beliefs	*The growth of new religion *Jainism	Outline the basic tenets of these systems of thought	Locate the important historical places	Relation of different religious beliefs	Understanding	Listening	Map work		MCQ preparation
8 The first empire: mauryas	4	The Mauryan administration	Map	Knowledge about the formation of dynasties	Role of administrator	*Ashoka and Buddhism * Art and architecture	Show how inscriptions are used as sources	List out significant contributions of important dynasties	Contribution of early rulers	Remembering	Respect	Locate major places on map		tp
28 urban local self government	3	Functions of Municipal Corporation	Chart	Functions of Municipality	Success and failures of urban bodies	*Sources of income	Gain a sense of who performs what roles	To know the basic structure of government	Functions of urban local government	Appreciation	Respect	Debate	Assignment	Textual exercises

PERIODIC ASSESSMENT - III (Lessons --5, 6, 7, 8, 17, 18 & 28)

19.Major Relief Features of the World	4	Different forms of land	Text book	Understand the major landforms of the earth	Differentiate the land forms	Mountains and Plateaus	Importance of the physical features							Oral Tp
20 India-physical features	5	Physical divisions of India	Map	Specialties of various land forms	Protection of our nature	*Physical divisions of India	To appreciate the need for conservation	To study about various landforms	Relationship of each landforms with human life	Remembering	Integrity	Assignment		TP
22 Natural vegetation and wildlife	5	Types of vegetations	Videos	Different species of flora and fauna	Conservation of our natural resources	*Types of vegetation	Importance of sustainable development	To study about its relevance in our life	Importance of food chain	Remembering	Appreciation		Subject Intergrated	Quiz
29Rural administration	3	The Hindu Succession Act	Chart	The role of panchayat	The works of rural level	*Maintenance of Land records	The procedures in Panchayat	Describe the functions	Influence in our day to day life	Understanding	Appreciation	Assignment		Oral TP
10 Reaching out to distance land	7	The Sangam Age	Videos	Early literary works	Conservation of early literary works	*Chera , Chola and Pandya *The silk route	Introduce the idea of different contexts of contact	Describe the implications of India's contacts with outside	Analyze the importance of early source to know history	Understanding	Respect	Picture collection		Oral TP
11 India from the 4 th cy to the 7 th cy	6	The Gupta and their administration	Map	Knowledge about importance of early rulers	Contribution and features of their administration	*Administration *Chalukya and Pallava	Understand the development of different administrative system	To study about the features of Gupta rule in India	Assess the role of eminent personalities during that time	Appreciation	Integrity			Oral TP
12 flowering of culture and science	6	Indian literature	Chart	Different literary works	Preservation of early sources of study	*Culture of India *Metallurgy	Develop a sense of appreciation of textual and visual	Outlines India's significant contributions in various field	Comparison of Indian works with other country's literature	Understanding	Respect	Discussion		Textual exercises

							traditions							
30 Rural livelihoods	3	The large farmers	Chart	Knowledge about farming and allied activities	Importance of nature and related activities	*Farmers- Large and small landholdings	Understand the various activities of rural people	Describe the factors responsible for the availability of different occupation	Inter connection between different sectors of economic activities	Understanding	Respect			Textual exercise
31 Urban livelihoods	4	Types of occupation	Videos	Knowledge about the life style of people	Types of occupations	*Types of occupation	Interlink age between rural and urban lives	Describe various occupations available in rural and urban areas	Connection between rural and urban livelihoods	Remembering	Respect	Assignment		Textual exercises
ANNUAL EXAMINATION (Lessons-10, 11, 12, 19, 20, 22, 30 & 31)														

SUBJECT: MATHEMATICS

Lesson Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
1. Knowing Our numbers	5	To study more on Indian and international system of numeration	school-eresources. schandpublishing.com	They have learnt numbers, its basic operations, patterns in numbers and some sequences.	Let the children to solve problems on daily life situations involving addition and subtraction of numbers.	Number comparison and its rounding off.	Learn to find place value and face value of digits, compare numbers and to estimate them.	Number comparison and its estimation.	Make use of numeration, comparison and estimation for their future studies.	Productivity and Innovation, Creativity, Flexibility and Adaptability	Organization of number system will be neatly understood by the children.	Activity/ Project: Convert Hindu-Arabic numerals into Roman numerals.	Individual Project	TP
2. Whole Numbers	4	To study about the different types of operations like addition, subtraction, multiplication etc of whole numbers.	school-eresources. schandpublishing.com	They are using natural numbers and basic operations.	Make the children to find various patterns in whole numbers.	Operations of whole numbers on a number line.	Differentiate between natural numbers and whole numbers.	Learn the whole numbers, its operations on a number line	Learn to perform more operations using whole numbers.	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	By understanding the concept, they will use the whole number operations for sharing ,grouping etc..	Activity/ Project: Find area of each section of a field when the length and width of the field is given, using the properties of whole numbers .		Basic operations
3. Playing With Numbers	5	To study about the factors and multiples, prime numbers, the concept of HCF and LCM	school-eresources. schandpublishing.com	They are familiar with prime numbers	Make the children to understand the concept of odd-even and prime-composite and establish rules for divisibility of numbers.	Co-prime, Twin prime numbers, sieve of Eratosthenes, HCF, LCM	Analysis of types of numbers and its factorisations	Understanding characteristics of numbers and quickly guess the outcome of an operation.	Using Divisibility Rules of 2,3,4, 5,6,7,8,9,10, 11 and solves puzzles/daily life problems.	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability, Problem Solving, Critical	They will study to save time by using rules of divisibility of numbers.	Group Activity: Arrange a group activity on divisibility test.		Textual questions

										thinking				
PERIODIC ASSESSMENT I (Lesson - 1, 2 & 3)														
4. Basic Geometrical ideas	5	To study the building blocks of geometrical objects- point, line and angles.	school-eresources. schandpublishing.com	They are familiar with line and line segment.	Make the children to understand the concept of line, plane, parallel and intersecting lines, acute angles and obtuse angles.	Specify various angles, measure and compare line segments.	To explain the need of lines and angles.	Creating basic idea in geometrical objects and measurement	Demonstrates an understanding of geometrical line, line segment, acute angle, obtuse angle with the help of examples from the surroundings	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability, Problem Solving, Critical thinking	They will study to co-relate the basic geometrical ideas with the Figures in day- to-day life	Group Activity: Find out the Angle between minute hand and hour hand of a clock corresponding To different time.		Assessment Test
5. Understanding Elementary Shapes	6	The concept Of plane shapes	school-eresources. schandpublishing.com	Familiar with Point, line segments, triangles, quadrilaterals etc.	Make the children To understand the Concept of triangles, quadrilaterals and Polygons.	Specify various geometrical shapes, polygons and quadrilaterals	Learn to Identify Different Shapes and Figures, its Corresponding Facts and features	Study to Construct Different shapes	Make use of Different Properties Associated With the Construction of different shapes	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	They can relate those Different Shapes with the figures in day-to-day life.	Group Activity: Construct any Plane shape Using match sticks		Drawing
6. Three Dimensional Shapes	6	To study the concept of three dimensional shapes	school-eresources. schandpublishing.com	They are familiar with two dimensional geometry	After teaching the entire chapter let the students to identify 3D shapes and its elements.	Know about the faces, edges and vertices of various 3D shapes.	To explain the need of 3 dimensional geometry.	Learn how to Identify various 3D objects like sphere, cube, cuboid, cone cylinder etc from the surroundings	To make clear understanding on various elements of 3D	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability, problem solving, critical thinking	They will study and think deeply about solving a problem in daily life also.	Activity/ Project: Create various 3 D shapes and show its attributes		Drawing
7. Integers	4	To study the integer concept in detail.	school-eresources. schandpublishing.com	Familiar with natural numbers and whole numbers.	Make the children to have detailed study of positive and negative numbers.	Addition and subtraction of integers.	Learn the absolute value of an integer and represent integers on number line.	Solves problems involving the addition and subtraction of integers.	To find successor and predecessor of integers.	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	Organization of number system will be neatly understood by the children.	Group Activity: Prepare a chart on integers on a number line	Integrated Project	Quiz competition
HALF YEARLY EXAMINATION- (Lessons – 4, 5 & 6)														
8.. Fractions	4	The concept of fractions is studied.	school-eresources. schandpublishing.com	Familiar with parts of a group of things.	Let the students to think about the methods to find fractional part of a collection.	Represent fractions on a number line.	Identify the Proper fraction improper fraction and mixed fraction	Solves problems involving the addition and subtraction of fractions.	To get equivalent fraction and simplest form of a fraction.	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	They will study how to compare fractions and rewrite them in ascending and descending order.	Activity/ Project: Activity to find the fractions from the given figures.		Assessment test

9. Decimals	4	To introduce the Decimal numbers and decimal fractions .	school-eresources.schandpublishing.com	They are familiar with common fractions.	Make the children to understand decimal numbers and its representation on a number line.	Comparison of decimal numbers and its conversion to fraction and vice-versa.	Learn the operations like addition, subtraction of decimal numbers.	Study to use decimal numbers in daily life.	Using decimal Place value Chart.	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	How to represent the decimals neatly in a number line will be studied.	Activity/ Project: Activity on daily life problems related to decimals		Quiz competition
10.. Data Handling	5	To study the basic data handling techniques	school-eresources.schandpublishing.com	Raw data and tables are familiar to them.	Try to apply the knowledge to organize data using tables and tally marks.	Pictograph, Bar Graph, Data organizations	Learn to use tables and graphs	Learn to arrange information systematically in the form of tables or graphs	Observing outcomes of events, Conducting surveys	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will study to present the data neatly and meaningfully .	Activity/ Project: Arrange expenditure on various items in a family in the last six months, in the form of a table, picto Graph and bar Graph and interpret them		Assessment test
11. Mensuration	4	To study the calculation of perimeter and area of various closed figures.	school-eresources.schandpublishing.com	They are familiar with polygons such as triangle, rectangle and square.	Make the children learn a formulae to find area and perimeter of selected polygons.	Concept of area of a surface and unit in which it is expressed.	To understand the idea of closed figures, area, perimeter and to establish its formulae.	Finds out perimeter and area of objects from the surroundings	Learn to relate the knowledge of finding area with daily life objects.	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	By understanding the concept, children will be able to find area and perimeter accurately	Activity/ Project: To find the cost of fencing a garden using the learnt concept		Assessment Test
12.Algebra	5	To study the algebraic expressions in detail.	school-eresources.schandpublishing.com	Arithmetic operations using numbers is familiar to them.	Try to apply the knowledge of numerical expressions to study expressions containing English alphabets.	Difference between constants and variables, idea about coefficient of a term, Solving an equation	Learn to write and evaluate algebraic expressions	Learn to use algebraic expressions to represent and solve real life problems	Simplifying algebraic expressions and find equivalent expressions, solving an equation	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	They will study to apply the idea of algebraic expressions to real life problems.	Activity/ Project: Using the bar models, solve word problems on algebraic expressions.		Assessment test

PERIODIC ASSESSMENT – III (Lessons - 7, 8 & 9)

13. Ratio and proportion	4	To compare quantities using ratios	school-eresources.schandpublishing.com	They have done comparison using division and comparison using subtraction	Make the children to simplify ratios and obtain equivalent ratios	Know the meaning of proportion and its various terms	Learn to compare two quantities by using their ratio	Learn the basic difference that ration is a comparison of two quantities and proportion is the equality of two ratios	Learn to relate ratios and fractions, and apply ratio relationships to solve real life problems	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	By understanding the concept, children will be able to compare their marks, prices, weight ,heights etc	Activity/ Projects: Activity to prepare a power point presentation on ratios and proportions		Tp
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ANNUAL EXAMINATION – (Lessons - 11, 12 & 13)

SUBJECT: INFORMATION TECHNOLOGY

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
1.Computer System	4	Study of computer systems.	www.tutorialspoint.com	They are using computers.	Identify the differences between different computer characteristics.	Different parts and their usage.	Learn computer systems.	Compare and contrast different computer systems.	Give different computer systems and tell to identify the differences.	Critical Thinking and problem solving	Getting aware about the uses and significance of computer systems.	Activity: Compare and contrast about the types of computers and prepare a report.	Individual Project	Quiz
2.Excel: An Introduction	5	To study the organization of data in rows and columns and to study in detail about the tools that can be used in MS Excel.	www.tutorialspoint.com	They are familiar with the software.	Let the students do all the tools mentioned in the chapter and make them aware that MS Excel is one of the most using software in daily data handling.	Ms Excel-History, Uses, Advantages, Tools.	Learn the Different features of Spreadsheet.	Edit a Worksheet according to the needs.	Making and handling real time accounts.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	Students will study to neatly arrange the data in a efficient way and they will study to integrate it together.	Lab Activity/ Project: Make a progress report of the class and Electronic shop bill. Use the features like Auto sum, Percentage, Sorting, merging Comparison etc wherever necessary.		Questionnaire
3.Excel: Formulas and Functions	5	To study the use of formulas and functions of Excel.	www.tutorialspoint.com	They are familiar with the software.	Let the students do all the tools mentioned in the chapter and make them aware that MS Excel is one of the most using software in daily data handling.	Ms Excel-History, Uses, Advantages, Tools.	Learn the Different features of Spreadsheet.	Edit a Worksheet according to The needs. .	Making and handling real time accounts.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	Students will study to neatly arrange the data in a efficient way and they will study to integrate it together.	Lab Activity/ Project: Make a progress report of the class and Electronic shop bill. Use the features like Auto sum, Percentage, Sorting, merging Comparison etc wherever necessary.		Paper presentation

PERIODIC ASSESSMENT – I (Lessons - 1,2 & 3)

4.Elementary HTML	6	To aware about the development of WebPages.	www.tutorialspoint.com	They are using different websites.	After teaching them how create a web page and practicing, tell them to explore the source code of any popular website.	HTML tags, their uses and syntax.	Introducing a new language which helps in developing web pages.	Able to create simple web pages.	Explore the tags and create web pages satisfying the basic effects and run in the browser window.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	Presenting information neatly, beautifully and organized manner.	Lab Activity/ Project: Explore the tags and create a web page satisfying the given criteria.	Integrate d Project	Demons tration
5. Cascading Style Sheets	4	The study of CSS.	www.tutorialspoint.com	They are familiar with programming.	They should use the concept of CSS for the creation of a complete website.	CSS, Usage and syntax.	To make them to understand the concept of CSS.	Study on the usage of CSS.	Creation of web pages with the concept of CSS.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability.	Creation of web pages and apps.	Lab Activity/ Project: Create a sample web page.		Demons tration

HALF YEARLY EXAMINATION (Lessons - 4 & 5)

6. Flowcharts and Pseudocode	5	To study the importance of Pseudocode and flowcharts.	www.tutorialspoint.com	They are familiar with flow charts.	Make the children to understand the importance of Pseudocode and flowcharts and tell them to do it in daily life before planning to do something.	Pseudocode- Rules, Features. Flowcharts- Symbols, Rules, Advantages.	Analysis of algorithms and Flowcharts.	Creating Pseudocode and Flowcharts.	Creating step by step plans for a situation.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability, Problem Solving, Critical thinking	They will study to save time by early arrangement of activities in flowchart.	Group Activity: Arrange a group discussion on the topic advantages of flowcharts over the traditional written system.	Individua l Project	Sample Program develop ment
7.An introduction to Python	6	To study the concept of programmin g.	www.w3schools.com	They are familiar with programming in HTML.	After teaching the entire chapter let the students to create their own programs for different problems.	Programming language- Python - Concept, Rules, Program Construction.	To explain the need of Programming.	Learn how to create Programs in Python.	To make interest in coding which will b next generation career option.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability, problem solving, critical thinking	They will study and think deeply about solving a problem in daily life also.	Lab Activity/ Project: Create programs for the given problems.		Presenta tion

PERIODIC ASSESSMENT III (Lessons - 6 & 7)

8. Understanding AI	4	To study the concept of AI	www.tutorialspoint.com	They are using different AI based websites in daily life.	They will be familiar in AI based theories and concepts.	AI, history, usage, advantage	They will be able to use and understand the concept of AI	AI concept will be understood.	To become experts in AI and AI based application s.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	AI concepts and applications	Lab Activity: Document on AI.	Art Integrate d Project	Debate and docume ntation.
9. Internet	4	To study the advantages and disadvantag es of internet usage.	www.tutorialspoint.com	They are using internet for different purposes.	Advising them about the advantages and disadvantages of internet, tell them to have a discussion on	Internet- Netiquettes, Advantages, Disadvantages, Threats, E-commerce.	The world of internet gets explored.	Learn about different internet areas including e-commerce and online payment.	Experience and explore the world of internet and surf for the	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	Integrate the information and prepare the report.	Lab Activity/ Project: Surf for the information about the topic and prepare the document.		Debate

					the topic ” How to prevent online threats”				information for preparing a detailed report on any given topic.					
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ANNUAL EXAMINATION (Lessons – 8 & 9)

GRADE 7

SUBJECT: ENGLISH

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency Based Learning	Life Skills/21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Assessment
L. 1: Where Learning Begins.. a.A Hero b. The taste Of watermelon c. The flower School(poem) Grammar: 1.phrases, clauses 2.the noun-Case 3.adjectives Supp. Reader: 1.The tiny teacher	8	Factual, story of common boy who became a hero	Text book,google Oxford Areal YouTube https://www.englishchatterbox	Asking about the fantasy stories what they have learnt before	To know more about fantasy stories	Global understanding ,fantasy	To understand the story and context To understand Compound Words	Make inferences based on the context *responds to different kinds of instruction	Role play	Cognitive skills *Creativity	Critical thinking	Write a message	Individual activity-Make toys out of waste materials	Poster making *Neatness
Grammar: 4. Articles 5. Pronouns 6.vrbs 7. Tenses Supp. Reader: 2.The cop and the anthem	4					Humour,journey	To understand the Context To understand and identify the genre and the idea	To explain the food recipe Identify the poetic devices Use idiomatic expressions *Recites	A project on famous musicians Write a recipe of a food item	Social skills.communication skills *Creativity	Self awareness	A film review write the recipe of a dish	Integrated activity-Write the recipe of the stew and Present the food item	Film review *Clarity Write about favourite food.

6.An Alien Hand														
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HALF YEARLY EXAMINATION II- (Lessons– Prose – 3,4,5 Supp. Reader- 3,4, 5 Gr-5,6,7,8,15,23,24,25,26)

L:4 kneading Love a. Miche..chef b. Experm c. Its Fun to cook Grammar 16. Types of phrases and clauses Sup Reader 7.Golu Grows A nose	8	Food, achieving dreams, family	Text book,google,library books Oxford Areal https://www.englishchatterbox	Asking the students a bout their favourite food	To know more about variety food items	Sharing responsibility Humour	To understand About Phrasal Verbs To learn new words To understand the n	Identity different ingredients in A famous Food Existing knowledge	A project on variety food Items	Social skills Information	Creative Thinking	Write about a different types of food	Individual Activity- Make a chart on your favourite food items	Speaking about a weird combo of foods
Grammar 17. Simple Compound Complex 18. Sentence analysis Supp.Reader: 8.A Tiger in the House 9.I want something in a cage	8 4													Speaking *Ability to Describe the specialities of wolves

PERIODIC ASSESSMENT III- (Lessons– Prose – 6,7 Supp. Reader- 6,7. Gr-9,10,11,12,13,27,28,29)

L:5.Life's Simple Comedies a. The Ransom..... ...chief b. Bidesia.. c. Good Pushpa (poem) Grammar	8	Humour, imagination	Text book,google You tube Oxford Areal https://www.englishchatterbox	Students knowledge On stories and poems related with Comedy	To know more about simple comedies happen in life	Self,reading	To understand author's Percepts To learn new words	Respond to the Story and Express their opinions *Constructs ea Meaningful Sentences	A book review	Cognitive skills *Creativity and Flexibility	Self awareness	Design a book cover and summarise a story	ART INTEGRATION	Book review *Presentation
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19. Sentence Analysis 2 Supp.Reader: 10.Chandni	8	Fantasy story, compassion	Text book, google, YouTube, Oxford Areal	Students' knowledge on stories and poems related to forgiveness and compassion	To know more about plays and dramas	Mystery, crime, suspense	To identify More about Antonyms. To understand More about Meaning of New words	Retrieve Information And ideas From context	Prepare a play with given topic	Emotional skills	Critical thinking	Role play	Writing a graphic story	Dialogue presentation
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ANNUAL EXAMINATION - (Lessons– Prose – 8, 9,10 Supp. Reader- 8,9,10 Gr-14,15,16,17,18,30,31,32,33)

SUBJECT: MALAYALAM

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency Learning	Skills 21'st century skills	Ethics and Values	Subject enrichment	Multiple assessment	Evaluation
Chapter 1 The Unknown	4	Whatthere b. Adventure..carbuncle c. The cabin of misery	pictures, textbook	Students' knowledge on stories and poems related to forgiveness and compassion	To know more about plays and dramas	Mystery, crime, suspense	To identify More about Antonyms. To understand More about Meaning of New words	Retrieve Information And ideas From context	Prepare a play with given topic	Emotional skills	Critical thinking	Role play	Writing a graphic story	Dialogue presentation
Chapter-2 The Unknown	4	Whatthere b. Adventure..carbuncle c. The cabin of misery	pictures, textbook	Students' knowledge on stories and poems related to forgiveness and compassion	To know more about plays and dramas	Mystery, crime, suspense	To identify More about Antonyms. To understand More about Meaning of New words	Retrieve Information And ideas From context	Prepare a play with given topic	Emotional skills	Critical thinking	Role play	Writing a graphic story	Dialogue presentation
Chapter 3 The Unknown	4	Whatthere b. Adventure..carbuncle c. The cabin of misery	pictures, textbook	Students' knowledge on stories and poems related to forgiveness and compassion	To know more about plays and dramas	Mystery, crime, suspense	To identify More about Antonyms. To understand More about Meaning of New words	Retrieve Information And ideas From context	Prepare a play with given topic	Emotional skills	Critical thinking	Role play	Writing a graphic story	Dialogue presentation

<p>Lesson 4</p> <p>Objectives</p>	4	<p>Resources</p>	Textbook	<p>Learning Objectives</p>	<p>Activities</p>	<p>Assessment</p>	<p>Resources</p>	<p>Learning Objectives</p>	<p>Activities</p>	<p>Assessment</p>	<p>Learning Objectives</p>	<p>Activities</p>	<p>Assessment</p>	<p>Learning Objectives</p>
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PERIODIC ASSESSMENT 1 (Lessons - 1, 2, 3 & 4)

<p>Lesson 5</p> <p>Objectives</p>	4	<p>Resources</p>	Text book, pictures	<p>Learning Objectives</p>	<p>Activities</p>	<p>Assessment</p>	<p>Resources</p>	<p>Learning Objectives</p>	<p>Activities</p>	<p>Assessment</p>	<p>Learning Objectives</p>	<p>Activities</p>	<p>Assessment</p>	<p>Learning Objectives</p>
<p>Lesson 6</p> <p>Objectives</p>	4	<p>Resources</p>	Text book	<p>Learning Objectives</p>	<p>Activities</p>	<p>Assessment</p>	<p>Resources</p>	<p>Learning Objectives</p>	<p>Activities</p>	<p>Assessment</p>	<p>Learning Objectives</p>	<p>Activities</p>	<p>Assessment</p>	<p>Learning Objectives</p>
<p>Lesson 7</p> <p>Objectives</p>	4	<p>Resources</p>	Text book	<p>Learning Objectives</p>	<p>Activities</p>	<p>Assessment</p>	<p>Resources</p>	<p>Learning Objectives</p>	<p>Activities</p>	<p>Assessment</p>	<p>Learning Objectives</p>	<p>Activities</p>	<p>Assessment</p>	<p>Learning Objectives</p>
<p>Lesson 9</p> <p>Objectives</p>	4	<p>Resources</p>	Textbook	<p>Learning Objectives</p>	<p>Activities</p>	<p>Assessment</p>	<p>Resources</p>	<p>Learning Objectives</p>	<p>Activities</p>	<p>Assessment</p>	<p>Learning Objectives</p>	<p>Activities</p>	<p>Assessment</p>	<p>Learning Objectives</p>

HALF-YEARLY EXAMINATION (Lessons - 5, 6, 7 & 9)

<p>Lesson 10</p> <p>Objectives</p>	4	<p>Resources</p>	Text book, chart	<p>Learning Objectives</p>	<p>Activities</p>	<p>Assessment</p>	<p>Resources</p>	<p>Learning Objectives</p>	<p>Activities</p>	<p>Assessment</p>	<p>Learning Objectives</p>	<p>Activities</p>	<p>Assessment</p>	<p>Learning Objectives</p>
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ANNUAL EXAMINATION - (Lessons 12, 13, 14, 15)

SUBJECT: SCIENCE

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
4. Heat and Temperature	7	Hot and cold objects, measuring temperature, different mode of transfer of heat etc.	Diksha App, Research and Review papers.	Students knows the basic concept of different types of energies.	Pupils applies scientific knowledge in a new unfamiliar situation.	Materials of daily use	Differentiate between modes of transfer of heat. differentiate between cl laboratory thermometer.	Explains processes of modes of transfer of heat	The pupil develops scientific appreciation by realizing the importance of science in human progress	Observation, Curiosity development	Understanding the importance of heat.	Lab Activity- To Demonstrate conduction of heat	INDIVIDUAL PROJECT	Make your own Thermometer
1.Nutrition in Plants	7	Autotropic and Heterotrophic nutrition, parasites, saprophytes, photosynthesis	Diksha App, Research and Review papers.	The student knows the basic concept about source of food and different modes of nutrition	Students will be asked to find out how plants get their food.	Food from where	It will enable the students to: understand the concept of nutrition and its types. develop an understanding of symbiotic relationship learn the importance of mutualism in organisms	conducts simple investigations to seek answers to queries,e.g. Do leaves other than green also carry out photosynthesis?	Student applies scientific concept in food source of plants.	Critical thinking, observation , curiosity development	To survive And Perform vital function ,all living being need food of life	Lab Activities- To test the presence of starch i leaf.		Lab works
2.Utilization of Food in Plants and Animals	8	Types of nutrition, digestive systems, types of teeth, link with transport and respiration	Diksha App, Research and Review papers.	Students know about nutrition in Plants.	Students will be Asked to find out The number of tooth they have and compare it with to a child.	Processes Involved in Nutrition.	Differentiate between the Different types of nutrition and processes Involved.	Students will be able to explain the mode of nutrition.	The pupil develops scientific appreciation by realizing the importance of science in	Observation, Curiosity development	Understanding biological processes and importance of nutrition	Comparison chart of different types of nutrition		Class presentation.

									human progress				
3.Fibre to Fabric	7	Wool, silk-animal fiber, process of extraction of silk associated health problems	Diksha App, Research and Review papers.	The students knows the basic ideas about fibers in previous classes	Students will be asked to classify their dresses according to the material it is made off and will be asked to find out in which seasons or climate it can be used. Real life experience	Materials of daily use	Identify various stages o development of silk mot	Expl ain the proc essi ng of ani mal fiber s;	Students will be able to classify the types of clothes they have and when going to new places for any reasons will have an idea about how to choose appropriate clothes based on seasons.	Critical thinking, initiative and self-direction	Students will be able to adapt to climatic conditions with the correct choosing of clothes according to the climate.	Students make a sketch of how fiber is obtained for your cloth.	Class and ho assignments Worksheets Class tests

PERIODIC ASSESSMENT – I (Lessons 1, 2, 3 & 4)

5.Acids and Bases	7	Classification of substance into acidic, basic and neutral, indicators	Diksha App, Research and Review papers.	The stu den ts kno ws the basic concept of materials and their kinds	Students will be asked why antacids are consumed, what happens when an ant stings etc.	Different kinds of materials	differentiate between acidic, basic and neutral compounds. understand the use of na synthetic indicators.	conducts simple investigations to s answers to queries differentiate mate acidic, basic and n	Students applies the scientific knowledge of using different acids and bases in everyday life.	Critical thinking, curiosity development	Understand ing the need of acidic and basic products in various chemicals.	<ul style="list-style-type: none"> • Activity-To prepare turmeric indicator solution or testing paper strip • showing acids, bases and salts availabl in lab • test the nature of the substances using indicators. to Lab show the process of neutralization 	I N T E R A T E D	Class and ho assignments Worksheets Class tests,Lab works
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12. Time and Motion	7	appreciation of idea of time and need to measure it measurement of time using periodic events idea of speed of moving objects slow and fast motion along a straight line	https://www.vidyarthi.in/science-class-7/motion-and-time-class-7-science	students know that basic idea about time and motion	To understand measurement, they will be asked to compare different materials and to calculate the distance from their home to other places. To understand the need of standard units in measurement and why using body parts is not standard they will be asked to measure the length of their pen/pencil with their hand as well and comparing it with their parents or sibling.	Moving things, peoples and ideas- moving objects	<ul style="list-style-type: none"> Describe the process and significance of seed dispersal. learn about speed and time learn plotting of distance- time graph 	Plots and interprets graphs and time graph	Students will be able to apply the knowledge and skill to calculate the time needed for a journey when they know distance. Basic understanding needed in day-to-day life.	Problem solving initiative and self-directed directions	Students will learn how important is to study the concepts of motion, which made travelling much easier as well as how modern transport systems have made big development in human life.	<ul style="list-style-type: none"> Find out the speed of a ball moving along the ground comparing the speed of various objects taken. making a distance time graph measuring time period of a simple pendulum 	P R O J E C T	Class and home assignments Class tests
6. How things change?	7	Some changes can be reversed and others can not be reversed.	Diksha App, Research and Review papers. https://bestlearns.in	Students know the ideas about common changes around us	Students will be asked to observe various activities in home like cooking, burning papers, turning milk into curd, crumbling of paper, melting of wax and will be asked to classify these processes as reversible or irreversible.	How things change/react with one another Classification	Classify the various changes physical and chemical Changes.	Classifies materials based on observable properties, e.g. soluble, insoluble, changes as can be reversed and cannot be reversed. Analyze the chemistry behind various processes.	They will understand chemical and physical changes happening around them and they will be more careful about doing something since some activities cannot be reversed. The knowledge about solubility of various substances will guide them when mixing colors, paints etc.	Effective communication curiosity development, critical thinking	Understanding the chemistry behind various processes and applying it.	Various lab Activities		• Class and home assignments
9. Soil	8	Soil types soil profile	https://www.askitians.com/re	Students know	Students will be Asked to observe	Surrounding affect the	Understand the components of soil profile • learn the process	Makes efforts to protect	Students will be able to understand soil	critical	Understanding The need of	Calculate the water holding capacity of clayey, loamy and sandy soils.		

		absorption of water in soil	vision- notes/class-7-science/soil/	that basic ideas or basic concepts about different types of soil	the different types and layers of soil	living	• correlate the type of soil and vegetation grown in that	environment, Applies learning of concepts in day-to-day life	Patterns that help in Agriculture.	thinking initiative directed problem solving	Soil and Resisting Soil pollution	loamy and sandy soils.		
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13. Electric Current and its uses	7	Electric Current Electric circuit Conductors and insulators	Diksha App Research papers and blogs. https://www.askiitians.com	Students know the basic ideas about electricity	Students will be asked to observe the working of various electrical appliances under adult surveillance. Students will be asked to think of a day without electricity. Students will be asked to draw the basic electric circuit in some of the appliances in home to understand the components.	How things work electric current and circuits. Precautions while using electrical appliances.	Comprehend the components of an electric circuit. • Understand the working of a dry cell • Comprehend the components of an electric circuit • understand the parts of	Differentiate electrical conductors and insulators on the basis of their properties, structure and Functions. Students will be able to apply their scientific learning in understanding basic electric circuits.	Students will be able to understand How careful they should be while using electrical appliances and will learn to save energy.	Critical thinking curiosity development	To save energy.	Making a simple circuit using a bulb, electric cell and connecting wires Identify different electrical components • making using a battery, connecting a bulb • observe the heating current using a nichrome switch, battery and connecting	Making simple circuit	Lab works
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HALF YEARLY EXAMINATION (Lessons – 5, 6, 9, 12 & 13)

7. Weather, Climate and Adaptation of animals to climate	8	Climate, climate suitability for crops adaptation of animals to different climates	Diksha App Research papers, review paper and blogs.	Students know the ideas about different climates	The students will be asked to find out various adaptations by various animals. They will be asked simple questions like why polar bears have thick fur, why some plants have thorns. They will be asked the need of different type of clothes humans have according to climates.	The world of living surroundings	Explain the weather and components.	Analyze how we live • understand	Students will be able to understand the Importance of getting adapted to Their surroundings. Discussion of the Survival of fittest Theory by Darwin will be helpful.	curiosity development creativity critical thinking	In this corporate world it is very important to adapt to the situations and this chapter give idea about scientific adaptations giving an insight to every student.	Field trip • Pasting of leaves having different types of venations • Flower Dissection and identifying its different parts.	A R T I N T E G R A T E D P R O J E C T	Class and home assignments, Worksheets, Class tests
10. Respiration in Organisms	8	Respiration in plants and animals	https://www.askiitians.com/notes/class-science/respiration-organisms/	Students know the basic ideas or knowledge about respiration in animals	Students will be asked to find how various organisms breathe.	The breath of life	Understand the process in animals specifically how to correlate the difference between respiratory structures of aquatic organism.	understand the definition of respiration • understand the process of breathing under water	Students will be able to understand The different adaptation of plants.	critical thinking curiosity development effective communication creativity	To appreciate The variety Of adaptation Even in plants	To understand breathing certain activities • Observe the effect of exhaled lime water • To show breathing in humans		Class and home assignments Class tests
15. Light	8	Rectilinear propagation of light certain reflect light real image white light of many colors spectrum	https://physicsclass7.com/light-notes.pdf	Students know the about light, luminous nonluminous object	The students will be asked to find about reflections happening in smooth and rough surfaces. Students will be	Natural phenomena	learn about the rectilinear of light and image	identifies material & lenses, on the basis of observable features	Students will be able to understand the importance of light and the process of vision. The phenomenon of reflection and	curiosity development creativity critical thinking	They will be able to appreciate the processes involved in vision and how technology	To show that light travels in a straight line. • to observe reflection from a plane mirror • to show lateral inversion in a plane mirror, spherical mirror		Class and home assignments Class tests

					asked a simple question- How do we see an object?			constructs models materials from sur explains their working (Newton's disc)	refraction is very in in daily life. activities in human life like driving etc. depend or rely on such in		associated with this helped to improve the quality of human life.	<ul style="list-style-type: none"> to observe dispersio through a prism making a newton's d 		Lab work
16. Water, A Natural Resource	7	water exist in va nature scarcity o effect on life	Diksha App Research papers and blogs.	Students knows tha most precious subst earth and different s water	Students will be asked to find out the different sourc of water.	scarcity of wat	Develop an understandin significance of water in analyze the water manag cause of depletion of wa	Students will be a <ul style="list-style-type: none"> have an idea abo water is available our use know va by which they can water 	They will understand the need of water.	curiosity development creativity critical thinking	Save water	Presentation on 'save discussion on how urb resulted in depletion of Gurugram		Discussion
18. Wastewater	7	sewage need for drainage/ sur that are closed	https://www.excn_science/7_sc_erLesson.aspx	Students knows tha of water and differe water pollution	Students will be Asked to analyse The amount of waste generated at home, what type of waste it is and how is it disposed.	Waste management	It will enable the students to: <ul style="list-style-type: none"> explain the concept of management. 	Students will be a understand <ul style="list-style-type: none"> understand the various uses of w what is sewage an management 	Students will be able to apply their scientific knowledge in segregating waste at home and their surroundings.	critical thinking and problem-solving initiative and self-directed curiosity development	Reduce, reuse and recycle	collect statistics of the Eco toilets. • line diagn sewage route • design system, which can cate problem of present sce sewage disposal		Discussions

PERIODIC ASSESSMENT – III (Lessons 7, 10, 15, 16 & 18)

PERIODIC ASSESSMENT – III (Lessons 7, 10, 15, 16 & 18)														
11. Movement of Substance	8	Herbs, Shrubs, Trees; transport of food plants circulator system in animal	https://physicscatalyst.com/class-7/transportation-in-animals-and-plants-notes.php	Students know the idea about transport and food in plants a	Students will be Asked to find out the venation in plants.	movement of s world of	understand the need of c systems in organisms. • circulation of blood between arteries and ve understand the excretion system in humans • diff between excretion in pla animals.	know the working circulation of blood excretory system beings	The students are placed the scientific knowledge of blun identifying different types of moments and also, no more a transportation of fo animals	Critical thinkin and self-direct development c	The pupil de scientific app towards the r stimuli in pla and Albert ab donation	To record the heart bea rate of classmates whi after running and enter the form. • Video clipping of water, food and min in plants	I N D I V I D U A L P R O J E C T	Class and ho assignments Class tests
12. Multiplication in Plants	8	Vegetative, asexual and sexual reproduction in plants, pollination-cross, self pollination, pollinators, fertilization, fruits, seed	https://physicscatalyst.com/class-7/transportation-in-animals-and-plants-notes.php	The students know ideas about differen flower	Students will be Asked to find Out how different Plants reproduce. Compare between Hibiscus, sun flow Etc.	Multiplication in pants	Differentiate between th sexual mode of reproduc	understand the me reproduction and asexual reproduc understand differe asexual modes of	Students will Understand that Plants multiply in Different methods And this is used in Agriculture.	critical thinkin self-direction, effective comm	Applying Scientific Approach.	To identify the reprodu flower		Class test
8. Wind, Storms and Cyclones.	7	High speed wind rainfall how disa consequences fo other life	https://www.vedantu.com/biology/wind-storm-and-cyclone	students knows that about and thunder, etc.	They will be aske the natural phenor effects.	natural phenon thunder and lig	It will enable the studen understand the concept c exerted by gases. • learn of air • sequence the va the formation of cyclone thunderstorms	Students will be a understand that a pressure • explain of cyclones and th comprehend the v of cyclones and p measures.	Will have knowledg to do in a disaster a precautions to be ta	Curiosity, critical thinkin aberration effe communicatio	students awa and the effec	To show that air exerts balloons and plastic wa show that warm air ris paper bags, a wooden stick and a candle, video clipping on form cyclones and tornadoes		Class and ho assignments Class tests

17.Forests	7	Interdependence animals in the fo contribute to beautification of air and water	https://physicsca s-7/Forests-Our notes.php	students knows tha forest and importan conservati on of fore	Students will be as compare between now and about 5 d	Natural resource – forest products	It will enable the students to: • understan importance of forests. • interrelationship betwee decomposers, animals ar forests. • suggest the var	Students will be able to: • understand importance of forests, interdependence	Students will under conservation is the hour.	critical thinkir self-directed c development E communicatio	students awa importance o how to conse	flow chart on inter relationship of plants, animals, and	Discussion
							conserving forests, understand the role of fo prevention of natural dis floods □ describe the ro climate control	of plants and animal				decomposers in a forest • making different typ shapes using waste pap • cross word puzzle or assess application, reca alertness	

ANNUAL EXAMINATION (Lessons - 10, 11 & 14)

SUBJECT: SOCIAL SCIENCE

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based learning	21 st centry Skills	Ethics and Values	Subject enrichment	Multiple Assessment	Evalu ation
1 When , where and How	4	*Sources of history	www.extramarks.com	Knowledge about the sources to study our past	Preservation of old literature	Changing name of India	Familiarize the students with the changing name of India	Lists out examples of sources	Features of chronology	Critical thinking	Appreciation	Quiz	Project	Tp
2 New Kingdoms	5	Rivalry between regional powers	www.extramarks.com	Knowledge about various dynasties in India	Assess their contributions	Invasions in India	Illustrate how inscriptions are used to reconstruct history	Relates key historical developments during medieval period	Comparison of the contributions of various rulers in India	Analysing skill	Respect	Map work	Picture study	Textual Exercise
11 Our Environment	5	Abiotic and Biotic components	www.extramarks.com	Knowledge about natural resources	Conservation of resources	Human environment	Describe different component	To study their interrelationship	Interaction between these components of environment	Environmenta l literacy	Integrity	Map work		Textual Exercises, Class TP
12 Interior of the Earth	5	Structure of the Earth	www.extramarks.com	Knowledge about the interior of the Earth	Preservation of Earth	Rocks and mineral	Identifies major layers of the earth's interior	Identifies the earth's interior and major rock types	Uses of rocks	Observation Skill	Integrity		Draw the picture of interior of the earth	Textual Exercises
24.the story of Democracy	5	History of Democracy	www.extramarks.com	Knowledge about features of Democratic country	Explains the significannce of equality in Democracy	Influence of French revolution in the history of democracy	Understands the guiding principles of Democracy	Explains the Different forms of democracy	Discussion of democratic features	Observation skill	Unity			Multiple choice question
25.What is Democracy	5	Forms of Government	www.extramarks.com	Knowledge about Democracy	Identify the different forms of government		Understand the different form of government	Differentiate the the dictatorship and Monarchy following countries		Analysing skill	.Awareness			Textual Exercises

3 The Delhi Sultanate	4	Administration in the sultanate	www.extramarks.com	Knowledge about rule of the sultans	Contribution of sultan rulers in India	Turkish rule in India	Analyses socio-political and economic changes	To know the administrative changes	Architectural styles and features	Critical thinking	Respect	Map work		Map locating
4 The Mughal Empire	5	Mughal Administration	www.extramarks.com	Knowledge about the advent of Mughals	Features of Mughal architecture	Territorial Expansion	Trace the political history of 16 th and 17 th cy	Draws comparisons between the policies of different rulers	Role of Mughal dynasty in india	Critical thinking	Respect	Map work		Map locating

PERIODIC ASSESSMNT -1 (Lessons- 1, 2, 11, 12, 24 & 25)

13.Earth Movements and Major Landforms	4	Major land forms	www.extramarks.com	Earthquakes			Various landforms	Identifies Volcno,Earthquakes		Observation skill	Geographical awareness			Oral TP
14 Atmosphere	3	Structure	www.extramarks.com	Importance of it	Conservation	Composition	Various layers	Identifies layers of atmosphere	Conservation	Environmental Literacy	Neatness	Collage	Draw the picture of layers of the Atmosphere	Oral TP
26 Institutional Representation of Democracy	3	Electoral processes	www.extramarks.com	Knowledge about representative democracy	Comparison of democracy with other forms of government	Political parties	To know the changes happening in the world	Describes the process of legislative assembly election	Assess the role of Election Commission	Creativity	Appreciation			Textual Exercises, Oral TPs
27 Government in the states	3	Federal system in India	www.extramarks.com	Knowledge about the structure of democracy	Significance of federalism in India	State Legislature	Understand the concept of federalism	To the features of federalism	To the function of federal government	Leadership	Appreciation			Textual exercises
28 Role of the state government in distribution of resources	3	Distribution of resources and services	www.extramarks.com	Knowledge about division of power in India	Importance of resource allocation	NITI Aayog	Understands the domain of power and authority exercised by state government	Gains a sense of the nature of decision making within a state government	Assess the functions of NITI Ayog	Citizenship	Respect			Oral TP
7. Development in Tribal Communities	3	Features of tribal community	www.extramarks.com	Names of some tribal people	Social living of tribal people	Sources of study	Knowledge about the relationship between livelihood patterns and the geographical condition of the area inhabited	Various factors affecting living of tribal people	Picture study	observation	Unity	Reading		Only for reading test
8.Religious Ideas and Movements	3		www.extramarks.com											Only for reading test
15 Elements of weather and climate	2	Heat zones	www.extramarks.com	Knowledge about difference between weather and climate	Changes happening in these two phenomenon	Factors affecting temperature	Understand the atmosphere and its elements	Locates distribution of different climatic regions	Changes happening in Climate	Observation skill	Integrity		Drawing	Textual exercise

HALF YEARLY EXAMINATION (Lessons– 3, 4, 13, 14, 15, 26, 27 & 28)

16. Atmospheric pressure and	4	Pressure belts	www.extramarks.com	Knowledge about Temperature	Factors affecting Atmospheric	Pressure belts and winds	Understands the atmosphere and its elements	Understands the difference between planetary winds and		observation	curiosity		Picture study	Tp
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winds				and Altitude	pressure			periodic winds						
17 Humidity, rainfall	3	Forms of condensation	www.extramarks.com	Knowledge about atmospheric conditions	Importance of the atmospheric phenomenon	Precipitation and types of rainfall	Understands the atmosphere and its elements	To know the three types of rainfall	Importance of monsoon to Indian farmers	Environmental literacy	Neatness			Oral Tp
18 Water	4	Importance of oceans	www.extramarks.com	Knowledge about water and its circulation	Ocean circulation	Knows about the distribution of water	To study the influence of ocean currents	Explains preventive actions to be undertaken in the events of disaster	Role of water in our daily life	Observation skill	Respect	Prepare a poster		Textual exercises
30 Advertising	5	Types of advertisement	www.extramarks.com	Knowledge about various types of advertisement	Importance of Advertisement in	consumerism	To study the objectives of advertisement	Illustrates the functioning of media and advertising in democracy	To create an advertisement	Critical thinking	Appreciation	Design an advertisement	Individual project	Tp
21 Life in the desert regions	4	The sahara	www.extramarks.com	Knowledge about desert	Features of desert areas	Flora and Fauna	To study the life of people in different climatic regions	Explains relationship between climatic regions and life of people	Specialties of these regions	Environmental literacy	Neatness			Oral TP
22 Life in Tropical and subtropical regions	4	Flora and fauna	www.extramarks.com	Knowledge about the features of tropical areas	Location and life of the people	Climate and people	Draws interrelationships between Climatic regions and life of people	To study about changes happening in climate	Assess the role of climate and vegetation	Environmental literacy	Integrity			Textual exercises
23 Life in the Temperate regions	3	Location and climate	www.extramarks.com	Knowledge about features of temperate regions	Location of life and vegetation	Flora and fauna	To know the relation between these factors	To study the factor influencing these elements	Draws interrelationship	Environmental literacy	Integrity			Textual exercises

PERIODIC ASSESSMENT – III (Lessons – 16, 17, 18, 22, 23 & 30)

9 Flowering of Regional cultures	6	The development of language	www.extramarks.com	Knowledge about the rise of regional languages	Importance of regional texts as sources of knowledge	Art Forms	Gains a sense of the development of regional cultural forms	Illustrate how texts in a regional language can be used to reconstruct history	Assess the significance of regional art forms	Visual literacy	Appreciation			Oral TP
33 Market around us	3	Understanding market	www.extramarks.com	Knowledge about market around us	Functions of market	Types of market	Differentiate between different kinds of market	Describes various kinds of markets	Assess the importance of market in our daily life	Observation skill	Appreciation			Debate
34 A Wholesale Market	4	Functions of wholesale market	www.extramarks.com	Knowledge about markets around us	Importance of market	Role of intermediaries	Traces how goods travel through various market places	To study the role of intermediaries	Features of various stages from production to sale	Observation skill	Integrity	Picture study	Visit a nearby vegetable Mandi and find out the prices of vegetables there. compare the prices with the prices in your nearby shop	TP
27 Government in the states	5	Federal system in India	www.extramarks.com	Knowledge about the structure of democracy	Significance of federalism in India	State Legislature	Understand the concept of federalism	To the features of federalism	To the function of federal government	Leadership	Appreciation			Textual exercises
29 Media and democracy	5	Media and public opinion	www.extramarks.com	Knowledge about the role	Assess the role of Mass	The Right To Information	Explains the functioning of	To know the relevance	Role played by media in a	Critical thinking	Appreciation			Oral TP

				of media in a democracy	media	Act	media		democracy					P
10 New political formation in the 18 th cy	6	The later mughals	www.extramarks.com	Knowledge about many regional kingdoms	Contribution of later mughals	Decline of the mughal empire	Understand how the Marathas expanded their area of control	Importance of traveler's accounts can be used to reconstruct history	Analyze its importance	Critical thinking	Integrity			Textual exercises
ANNUAL EXAMINATION (Lessons- 9, 10, 27, 29, 33 & 34)														

SUBJECT: MATHEMATICS

Lesson Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
1.Integers	5	To study more on Integers, its properties and its operations	School-eresources. schandpublishing.com	They have learnt integers, its basic operations, patterns in numbers and some sequences.	Let the children to solve problems on daily life situations involving multiplication and division of numbers.	Additive identity, Additive inverse, Multiplicative identity, Multiplicative inverse	Understand the properties of multiplication and division of integers.	Learn how to multiply and divide two integers	Make use of closure property, commutative and associative property for their future studies.	Productivity and Innovation, Creativity, Flexibility and Adaptability	Organization of the number system integers and its properties will be neatly understood by the children.	Activity/ Project: Activity to obtain net balance in account, total score, profit or loss using integers.	Individual Project	Test paper
2. Fractions And Decimals	4	To study about various operations on fractions and decimals	School-eresources. schandpublishing.com	They are familiar with fractions and addition and subtraction of decimal numbers	Make the children to use fraction as an operator 'of' and understand the concept of multiplication and division of decimal numbers	Multiplication and division of fractions and decimals	Identify the type of function, its conversion, reciprocal and basic operations.	Solves problems involving the multiplication and division of fractions and decimals.	Use fractions as well as decimals to wisely perform problems on parts of work, food, objects etc	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	By understanding the concept, they will be able to obtain remaining work, remaining savings etc wisely	Activity/ Projects: Using bar model, calculate cost.		Textual questions
3. Data Handling	5	To study the basic data handling techniques	School-eresources. schandpublishing.com	Raw data and tables are familiar to them.	Try to apply the knowledge to organize data using tables and tally marks.	Pictograph, Bar Graph, Data organizations, Mean, Median, Mode, Chance and probability	Learn to use tables and graphs	Learn to arrange information systematically in the form of tables or graphs	Observing outcomes of events, Conducting surveys	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will study to present the data neatly and meaningfully.	Activity/ Project: Arrange expenditure on various items in a family in the last six months, in the form of a table, picto Graph and bar Graph and interpret them		Assessment test
4. Linear Equations	4	To introduce transposition method to solve linear equations	School-eresources. schandpublishing.com	They are familiar with linear equations in one variable	Make the children to recollect trial and error method to solve linear equations	Solution or root of an equation, equations involving paranthesis	Learn to formulate linear equation to solve problems	Study to apply simple equations to solve real life problems	Make use of linear equations for their future studies.	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	How to use a linear equation to find an unknown quantity will be studied.	Activity/ Project: Activity on daily life problems		Problem solving

PERIODIC ASSESSMENT – I (Lessons - 1, 2 & 3)

5.Lines and angles	4	To understand the formation of angles and its measurement	School-eresources. schandpublishing.com	They have learnt basic geometrical terms	Make the children to know the types of angles	Know the properties of related angles	Learn the concept of angles, parallel lines and transversal	Learn to find unknown angles in a geometrical figure	Learn to relate the concept to solve real life problems	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	By understanding the concept, children will be able to use it for future studies	Activity/ Project: Activity to prepare a chart on types of angles and parallel lines cut by a transversal		Textual activities
6.The triangle And its Properties	4	To study the Properties of triangles based on their angles and sides.	School-eresources. schandpublishing.com	They are familiar with various elements of triangles	Make the children to study angle sum property, exterior angle property and sum of two sides of a triangle property	Concept of Pythagoras theorem and its converse	To understand the idea of triangles, its types and properties	Finds unknown angles in a triangle using properties of angles in it	Learn to relate the knowledge of finding unknown angles with daily life objects.	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	By understanding the concept, children will be able to find unknown angles.	Activity/ Project: To find the unknown angle of a given figure using the learnt concept	Art Integrated Project	Short Investigation

HALF YEARLY EXAMINATION- (Lessons - 4, 5 & 6)

8. Comparing Quantities	5	To compare quantities using ratios and understand the concept of percentage	School-eresources. schandpublishing.com	They have done comparison using division and comparison using subtraction	Make the children to simplify ratios and obtain equivalent ratios, express profit or loss as percentage.	Know the meaning of proportion and its various terms, principal, interest, time period and rate of interest	Learn to compare two quantities by using their ratio and learn to understand percentage as a fraction with 100 as the Denominator.	Learn the basic difference that ratio is a comparison of two quantities and proportion is the equality of two ratios, solve real life involving profit and loss .	Learn to relate ratios and fractions, and apply ratio relationships to solve real life problems, use percentage in Real life applications	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	By understanding the concept, children will be able to compare their marks, prices, weight ,heights etc	Activity/ Project: Activity to prepare a power point presentation on ratios and proportions		Test paper
9. Rational Numbers	6	To study the concept of numbers of the form a/b	School-eresources. schandpublishing.com	They are familiar with fractions	After teaching the entire chapter, let the students to establish relationship between fractions and rational numbers	Represent rational numbers on a number line and do the four basic operations on rational numbers	Learn to Identify rational numbers between two given rational numbers	To apply the concept of rational numbers to solve problems in day-to-day life.	To make interest in daily life applications of rational numbers	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability, problem solving.	They will study and think deeply about solving a problem in daily life also.	Activity/ Project: Activity to Place rational numbers on a number line		Conceptualization

PERIODIC ASSESSMENT – III (Lessons 8 &9)

11. Perimeter And area	5	To solve problems involving perimeters of square, rectangle and circle	School-eresources. schandpublishing.com	They have learnt the concept of area and perimeter	Make the children to find the circumference of a circle.	Area of triangle and parallelogram, Area between two rectangles and concentric circles, area of Combination of shapes.	To understand the idea of area and perimeter and formulae to find it	Calculates area of a region enclosed in a rectangle and a square	Learn to apply the concept in real life	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	They will study to apply the knowledge In various situations of real life	Group Activity: Find the area of a garden and calculate the cost of repairing cross roads.		Textual activities
12.Exponents And Powers	4	To study the concept of repeated multiplication in detail.	School-eresources. schandpublishing.com	Familiar with multiplication of numbers	Make the children to have detailed study of exponential notation	Base and exponent in exponential form, Laws of exponents	Express large numbers in standard form	Study to write numbers in exponential form	Makes use of exponents to express various large numbers like speed of light, weight of earth etc.	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	Exponential notation will be neatly understood by the children.	Group Activity: Prepare a chart on powers and exponents	Integrated Project	Quiz competition
13. Algebraic Expressions	4	To study the algebraic expressions in detail.	School-eresources. schandpublishing.com	Familiar with algebraic equations and to solve them	Let the students to identify terms of an algebraic expression and to recognize like and unlike terms	Polynomials, value of an algebraic expression, formulas and rules using algebraic expressions	Explore the previous knowledge about algebraic expressions and its terms	Solves problems involving the addition and subtraction of algebraic expressions	To study rules for number patterns and geometrical patterns	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	They will study how to use algebraic expressions to write formulae for perimeter and area.	Activity/ Project: Activity to find perimeter and area		Assessment test
ANNUAL EXAMINATION (Lessons 11, 12 & 13)														

SUBJECT: INFORMATION TECHNOLOGY

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
1.Computer System	4	Study of computer systems.	www.tutorialspoint.com	They are using computers.	Identify the differences between different computer characteristics.	Different parts and their usage.	Learn computer systems.	Compare and contrast different computer systems.	Give different computer systems and tell to identify the differences.	Critical Thinking and problem solving	Getting aware about the uses and significance of computer systems.	Activity: Compare and contrast about the types of computers and prepare a report.	Individual Project	Quiz
2. HTML Lists	6	To aware about the development of WebPages with the usage of	www.tutorialspoint.com	They are using different websites with the usage of lists.	After teaching them how create a web page and practicing, tell them to explore	HTML tags, their uses and syntax.	Introducing a new language which helps in developing web pages.	Able to create simple web pages.	Explore the tags and create web pages satisfying the	Productivity and Innovation, Creativity, Art integration,	Presenting information neatly, beautifully and organized	Lab Activity/ Project: Explore the tags and create a web		Comparison

		lists.			the source code of any popular website.				basic effects and run in the browser window.	Flexibility and Adaptability	manner.	page satisfying the given criteria.		
3. HTML- Images, Tables Anchors	6	To aware about the development of WebPages.	www.tutorialspoint.com	They are using different websites.	After teaching them how create a web page and practicing, tell them to explore the source code of any popular website.	HTML tags, their uses and syntax.	Introducing a new language which helps in developing web pages.	Able to create simple web pages.	Explore the tags and create web pages satisfying the basic effects and run in the browser window.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	Presenting information neatly, beautifully and organized manner.	Lab Activity/ Project: Explore the tags and create a web page satisfying the given criteria.		Debate

PERIODIC ASSESSMENT I (Lessons - 1,2 & 3)

4. Cascading Style Sheets	4	The study of CSS.	www.tutorialspoint.com	They are familiar with programming.	They should use the concept of CSS for the creation of a complete website.	CSS, Usage and syntax.	To make them to understand the concept of CSS.	Study on the usage of CSS.	Creation of web pages with the concept of CSS.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability.	Creation of web pages and apps.	Lab Activity/ Project: Create a sample web page.	Integrated Project	Creation and discussion
5.Operators in Python	6	To study the concept of programming.	www.w3schools.com	They are familiar with programming in Python.	After teaching the entire chapter let the students to create their own programs for different problems.	Programming language- Python - Concept, Rules, Program Construction.	To explain the need of Programming.	Learn how to create Programs in Python.	To make interest in coding which will be next generation career option.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability, problem solving, critical thinking	They will study and think deeply about solving a problem in daily life also.	Lab Activity/ Project: Create programs for the given problems.		Debate

HALF YEARLY EXAMINATION (Lessons - 4 & 5)

6. Conditional statements	6	To study the concept of programming with the usage of operators.	www.w3schools.com	They are familiar with programming in Python.	After teaching the entire chapter let the students to create their own programs for different problems.	Programming language- Python - Concept, Rules, Program Construction.	To explain the need of Programming.	Learn how to create Programs in CPP.	To make interest in coding which will be next generation career option.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability, problem solving, critical thinking	They will study and think deeply about solving a problem in daily life also.	Lab Activity/ Project: Create programs for the given problems.	Art Integrated Project	Questionnaire
7. Understanding AI and VI	4	To study the concept of AI and VI.	www.tutorialspoint.com	They are using different AI and VI based websites in daily life.	They will be familiar in AI and VI based theories and concepts.	AI, history, usage, advantage	They will be able to use and understand the concept of AI and VI.	AI and VI concept will be understood.	To become experts in AI and AI based applications.	Productivity and Innovation, Creativity, Art integration, Flexibility and	AI concepts and applications	Lab Activity: Document on AI and VI.		Report Creation

											Adaptability				
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PERIODIC ASSESSMENT III (Lessons - 6 & 7)

8. Internet and Its Uses	4	To study the advantages and disadvantages of internet usage.	www.tutorialspoint.com	They are using internet for different purposes.	Advising them about the advantages and disadvantages of internet, tell them to have a discussion on the topic " How to prevent online threats"	Internet-Netiquettes, Advantages, Disadvantages, Threats, E-commerce.	The world of internet gets explored.	Learn about different internet areas including e-commerce and online payment.	Experience and explore the world of internet and surf for the information for preparing a detailed report on any given topic.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	Integrate the information and prepare the report.	Lab Activity/ Project: Surf for the information about the topic and prepare the document.	Individual Project	Debate
9. GIMP	5	To study the basic photo editing.	www.tutorialspoint.com	Editing is familiar with them.	Try to apply the knowledge to edit the given photos.	GIMP- History, Advantages, Tools.	Learn to use GIMP.	Learn to use GIMP for Editing.	Editing pictures using GIMP	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will study to present the pictures neatly and beautifully.	Lab activity/ Project: Using the mentioned tools edit the given pictures.		Editing

ANNUAL EXAMINATION (Lessons - 8 & 9)

GRADE 8

SUBJECT: ENGLISH

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based learning	Life Skills/21 st century skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Assessment
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Unit 1 1. My big brother 2. Thank Ma'am 3. It was ago (poem)	12	Story narrating human relationship and the poem about the same theme	Google Oxford areal https://www.englishchatterbox.com	Students' knowledge on the stories related to human relations	To learn more about the stories related to siblings	States about neighbourhood and community	To Understand the meaning of new words from the context	Identify the Fictional or fantasy elements in the context develops a skit highlighting social and environmental	creating stories based on social issues	Cognitive skills creativity	Self awareness	READING		Spell bee Speech questionnaire
Grammar: 1. Determiners 2. verbs: auxiliaries and Modals 3. Tenses 4. present & past 5. Talking about the Future Supp. Reader: 1. How the camel got his hump	5													

Unit 2: 1. Nurturing Nature 2. The ghost in Mountains 3. The elephant and Tragopan (em)	12	Describes about nature and its importance. Conservation of the environment	Google Oxford areal https://www.englishchatterbox.com	Students' knowledge on stories and poems related to earth and forest	To know more about environmental lists	Newspaper article, conservation; human will/determination, classic; Conservation of the environment	To identify main ideas of the lesson . to interpret the ideas	Retrieve information and ideas from the context Writes e-mail, messages, notice, formal letters, descriptions, short personal experience etc.	Interviewing famous persons	Cognitive skills Creativity Critical thinking	Self awareness	Conduct an interview	Construct a poem on 'Nature' conveying the message to conserve nature	Puzzles Conducting interview
Grammar: 6. verb forms 7. the sequence of tenses 8. Subject verb Agreement Supp. Reader: 2. Children at work	5													

PERIODIC ASSESSMENT I-(LESSONS- Prose – 1,2 Supp. Reader- 1,2 Gr-1,2,3,4,5,30,31)

Unit 3 1. Pocahontas 2. The diary	6	The world, peace and harmony	Oxford areal https://www.englishchatterbox.com	Students' knowledge in human	To know more about the diversity	Independence and equality	To listen and Understand	Summarize the story in their own	To write about Other world	Social skills	communication	Pictures of Freedom fighters	Integrated Project on	Spell bee Oral TP
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Girl 3. The song of Freedom (poem)			w.english chatterbox		equality	Non-fiction; technology and the spirit of innovation	d The context	words Participates In different events such as skit,dramaelocution, quiz etc.	peace and harmony	Critical thinking			the topic 'recent innovations'	
9. mood														
10.infinite														

4. The Giant mirrors of Rjukan	5	Technology and the spirit of innovation	Oxford areal https://www.englishchatterbo	Students' knowledge in science and technology	To know more about the discoveries and developments	Non-fiction; technology and the spirit of innovation	To listen and Understand d The context	Write about other innovations	writing reports on recent innovations	Critical thinking	Communica tion	Collect pictures of different innovations		Speaking
Grammar; 11.The participle 12. Gerund Supp.Reader: 3. The selfish Giant	5													

Grammar: 13.Active and passive 14.Adverbs	5													
15.The preposition 16.the conjunction	5													

Half Yearly Examination- (LESSONS– Prose – 3,4,5 Supp. Reader- 3,4,5 Gr-6,7,8,9,18,32,33,34)

Unit 4 1 Unlikely Destinations 2 The world 3. The fabulous..... (Road map)	12	Biographical; science, exploration	Oxford areal https://www.englishcatterbox.com	Students' knowledge in diary entries of victims of adventure	To know more about real experiences of adventure travels	Biographical; non fiction; classic and imagination	To read and Understand The context	Understand more science and Exploration reads a variety of texts for pleasure and gives opinion	Publishing a book	Social skills Inter personal skill	empathy	Making a power point presentation on science fiction stories	Individual Activity Research the war situations in the world today and collect information and as many pictures as you can.	Biography writing oral TP
Grammar: 17. Direct and indirect 18. Punctuation Supp. Reader: 5. Princess september														

:7. The tempest Grammar: 19. phrases 20. clauses 21. Analysis of simple Sentences	5 5	Shakespearean classic; arts and culture across the world ;mystery and magic	Oxford areal https://www.englishcatterbox.com	Students' knowledge about Shakespearean plays	To learn more plays of Shakespeare	Shakespearean classic; arts and culture across the world; mystery and magic	To know and Understand The basic plot of the play	Describe the characters And their perception on them reads a	Script writing Dialogue writing	Social skills Inter personal skill	emotion	Enacting a skit		Dialogue presentation voice modulation
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Supp. Reader: 6. The fight			hatterbox.com					variety of texts for pleasure and gives opinion						
Exile House (poem) Grammar: 22. analysis of complex Sentences 23. Analysis of compound sentences Supp. Reader: 7. The open window	5 5	Contemporary ;refugee crisis	Google Oxford areal	Students' knowledge about natural calamities	To learn the consequences of natural calamities	Contemporary ;refugee crisis	To read and appreciate the poem	Brainstorm the theme of the poem reads a variety of texts for pleasure and gives opinion	Creating poems	Social skills Management skills	empathy	Appreciation of the poem	Versification or al TP. Recitation	

PERIODIC ASSESSMENT-3 (LESSONS– Prose – 6,7 Supp. Reader- 6,7. Gr-10-15,35,36)

Unit 5 Man and Machine 1.The water place 2.Feathered friend 3.The inventor(poet)	12	Science fiction and humour	Textbook Google Oxford areal https://www.englishcatterbox.com	Students' knowledge about famous science fiction stories	To learn about technology and invention	Science, imagination and humour	To read and Understand the context	Describe the Science fiction stories Writes email, messages, notice, formal letters, descriptions personal diary etc.	documentary	Cognitive Critical thinking	communication	Reading	Seminar Presentation
Unit 6 1.The boy who was caught 2.Macbeth 3 Abandoned Farm house(poem)	5	contemporary fiction; issues relating to adolescence/teenage graphic narrative; road towards transformation	Google Oxford areal https://www.englishcatterbox.com	Students' knowledge in competitive items	To learn more about the problems faced by girls	contemporary fiction; issues relating to adolescence/teenage graphic narrative; road towards transformation	To read and Understand the context	Empathize with the protagonist of the story and personal Incidents Asks Questions based on the text read or heard using appropriate vocabulary and accurate sentences	Diary entry on important events	Emotional skills Coping with stress	Self management	Role play and Summarize the lesson	Dialogue presentation

ANNUAL EXAMINATION - (Lessons- Prose – 8, 9,10 Supp. Reader- 8,9,10 Gr- 16-21,24,25,37)

SUBJECT: MALAYALAM

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency Learning	Skills 21'st century skills	Ethics and Values	Subject enrichment	Multiple assessment	Evaluation
Chapter 1 The water place	4	Science fiction Humour	pictures, video	Students' knowledge about famous science fiction stories	To learn about technology and invention	Science, imagination and humour	To read and Understand the context	* Describe the Science fiction stories Writes email, messages, notice, formal letters, descriptions personal diary etc.	documentary	Cognitive Critical thinking	communication	Reading	Seminar Presentation	

SUBJECT: HINDI

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based learning	21st century skills	Ethics and Values	Subject enrichment	Multiple Assessment	Evaluation
1 1 1	4	1 1 1	1 1	1 1 1 1 1 1	1 1 1 1 1	1 1 1	1 1 1	1 1 1	1 1 1 1	1 1 1	Enjoying beauty	1 1 1 1	Knowing the surroundings science	1 1 1 1
2. 1 1 1 1	4	1 1	1	1 1 1	1 1 1	1 1	1 1 1	1 1 1	1	1 1 1	Quick action of work.	1 1 1		1 1 1
3 1 1 1	4	1 1 1	1	1 1 1	1 1 1	1 1	1 1 1	1 1 1	1 1 1	1 1	Non -violence	1 1		1 1 1 1 1

PERIODIC ASSESSMENT - I (Lessons 1, 2, 3)

4 1 1 1 1	4	1 1 1	1	1 1 1 1 1	1 1 1	1 1	1 1 1 1	1 1 1 1	1 1 1	1 1 1	Knowing about health	1 1 1 1		1 1 1 1
5 1	4	1 1	1 1	1 1	1 1	1 1	1 1 1 1 1	1 1 1 1	1 1	1 1 1	Positive thinking	1 1		1 1 1 1 1
6 1 1 1	4	1 1	1	1 1	1 1	1 1 1	1 1 1	1 1 1	1 1	1 1 1 1	Social skill	1 1		1 1 1 1
7 1 1 1 1	4	1 1 1	1	1 1	1 1	1 1 1	1 1 1	1 1 1	1 1	1 1 1	Information	1		1 1 1 1 1 1

HALF - YEARLY EXAMINATION (Lessons 4, 5, 6, 7)

ANNUAL EXAMINATION - (Lessons 11, 12, 13, 14, 15)

SUBJECT: SCIENCE

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
1.Crop Production and Management	6	Soil preparation, selection of seeds, sowing, applying fertilizers, irrigation, weeding harvesting and storage, nitrogen fixation and cycle	Diksha App, research and review papers	Students knows the basic ideas about cultivation of food and agriculture	Students will be asked to talk to farmers about the different varieties of crops being sown in their region.	Food-Crop Production	It will enable the student to: learn basic agricultural practices, learn about methods of preparation of soil, understand importance of manures and fertilizers, learn about harvesting and storage of food grains	Makes efforts to protect environment, making controlled use of fertilizers suggesting ways to cope with environment	Students will be able to understand the types of crops and the agricultural processes.	Critical thinking, curiosity development , Initiative and directive	Appreciating the value of food and efforts of farmers.	To separate healthy seeds from unhealthy (damaged seeds)		Seminar
4.Materials: Metals and Non metals	7	Metals and Non metals	Diksha App, research and review papers	Students knows the basic ideas about different metals and non-metals	Asking students to classify the materials they use according to what they are made up of.	Different kind of materials their reactions	It will enable the student to: know about occurrence of metals and nonmetals in nature, learn displacement reaction of metals and nonmetals, learn about uses of metals and nonmetals	classifies materials based on properties/ characteristics, e.g., metals and non-metals	Students will be able to distinguish between what different materials are made of and can apply while working on it.	Critical thinking, curiosity development	Students will understand the need of classification of materials and how the knowledge of its properties helped in manufacturing processes.	Reaction of metals and nonmetals with acids, Group discussion-gold is a preferred metal for jewelry	I N D I V I D U A L P R O	Worksheet

2. Microorganisms: Friend and Foe	7	Microorganisms - useful and harmful	Diksha App, research and review papers	Students know the basic ideas about microorganisms and their types	Students will be asked to think about how milk turns to curd, puffing up of bread, diseases caused etc.	Food-Microorganisms	Learn about microorganisms and their occurrence in nature, learn the usefulness and harms caused by microbes, learn advantages of food preservation, understand nitrogen cycle and its importance	Classifies materials based on properties/ characteristics, e.g., useful and harmful microorganisms; prepares slides of microorganisms; onion peel, human cheek cells, etc., and describes their microscopic features	Students will be able to understand the biological activities behind various processes.	Critical thinking, curiosity development, Initiative and self-directive	Appreciating the wide variety of organisms and their effects.	Flow chart of Nitrogen cycle. Conversion of milk to curd.	J E C T	Class test
3. Synthetic fibers and plastics	5	Different types of Cloth materials, Development of Clothing Materials. Source and Uses. Plastics and its harmful effects.	Diksha App Research papers, review paper and blogs.	Basic concepts about Clothes, fibers etc. Plastic, its use and harmful effects.	Students will be asked to classify their dresses according to the material it is made of and will be asked to find out in which seasons or climate it can be used. Real life experience	Materials of daily use. Sources Types and Processes involved.	Elaborate the process of making fabric from fiber. Compare different processes of making fabric. Examine various fabrics in order to predict what they are made up of. Classify the given fabrics	To help the child explore the materials around them and develop understanding of how to study them. Applies learning of scientific concepts in day-to-day life. E.g., selecting Season	Students will be able to classify the types of clothes they have and when going to new places for any reasons will have an idea about how to choose appropriate clothes based on seasons. They will understand the	Critical thinking initiative, self direction, curiosity development, adaptability	Students will be able to adapt to climatic conditions with the correct choosing of clothes according to the climate. Understanding the need of	Activity- A research on the plastic used at an individual level and finding alternatives.		Individual presentations.

							as Natural or Synthetic based on their source. Structure of plastic.	Appropriate fabrics Identifies materials and organisms, such as, plant fibers, flowers, on the basis of observable features, i.e., appearance, texture, function,	harmful effects of plastic and why to take up zero waste campaign.		reduce, reuse, recycle.		
8.Cell-Structure and Functions	7	Cell structure, plant and animal cells, use of stain to observe, cell organelles - nucleus, vacuole, chloroplast, cell membrane, cell wall	Diksha App, research and review papers	Students know the idea about cell-internal structure of plants cell	Students Will be asked to identify the role of bricks in a building and correlate it to human body.	The fundamental unit of life-cell	It will enable the student to: learn about structural and functional unit of life, learn about discovery of cell. understand the concept of size and shape of cell. learn about cell structure and their functions	Prepare slides of microorganisms; onion peel, human cheek cells, etc., and describe their microscopic features	Students will be able to understand the complex building of various organisms.	Critical thinking, curiosity development	Understanding the basic unit of life	To observe the slide of onion peel, to observe and compare plant and animal cell on the basis of structure, Crossword puzzles	Class test, Lab work

PERIODIC ASSESSMENT – I (Lessons 1, 4, 2, 3 & 8)

5.Coal and Petroleum	6	Formation of coal and petroleum in nature. (Fossil fuels) Consequences of over extraction of coal and petroleum	Diksha App, research and review papers	Students know the ideas about natural and man-made resources	Students will be asked to find out how much we depend on fossil fuels.	Materials- Different types and reaction	It will enable the student to: understand the importance of fossil fuels in our lives. understand the formation of petroleum and natural gas, learn the refining of petroleum	understand the formation and uses of coal and petroleum, learn the conditions necessary for the combustion to take place, learn about flame and its parts, know about the methods of extinguishing fire	Students will be able to understand how much energy is being utilized from fossil fuels and why there is a need to look for alternatives.	Critical thinking, curiosity development,	Conserving energy	Activity- A research on the various coal mines and its impact on environment.	I N T E G R A T E D P R O J E C T	Assignment
6.Combustion and Flame	6	Combustion, flame, all fuels release heat on burning. Fuels differ in efficiency, cost, etc. Natural resources are limited Burning of fuels leads to harmful by products.	Diksha App, research and review papers	Students know the idea about fire, fuel etc.	Students will be asked to do various activities like burning candle in different conditions and observe the types of flames carefully.	How things change/react with one another	It will enable the student to: differentiate between combustible and noncombustible substances, understand different types of combustion, understand flame and its structure.	differentiate between exhaustible & inexhaustible natural resources, appreciate the conservation of natural resources,	Conducts simple investigations to seek answers to queries, e.g, what are the conditions required for combustion?	Critical thinking, curiosity development	Conserving energy and how to act on emergency situations	Collection and sorting of materials into combustible and non-combustible materials		Worksheet, assignment- Structure of flame

09. Reproduction in Animals	7	Sexual reproduction and endocrine system in animals, secondary sexual characters,	Diksha App, research and review papers	Students know the basic idea about reproduction in animals.	Students will be asked to read about how multicellular organism begin their life from a single cell as well to recall about reproduction in plants.	The world of living- Development of baby	It will enable the students: learn process of fertilization and development of embryo in uterus, learn oviparous and viviparous animals, learn about metamorphosis	Explains processes and phenomenon, reproduction in human and animals;	Students will be able to learn basic ideas about the process of reproduction in human and in animals.	Critical thinking, curiosity development, effective communication.	Creating scientific awareness	Conducting awareness classes.		Class test and discussion
10. Reaching the Age of Adolescence	7	Reproductive health; internal and external fertilisation.	Diksha App, research and review papers	Students know basic idea about body changes and growth.	Students will be asked to compare their voice to that of a kid and understand growth.	Adolescence	It will enable the student to: know about changes taking place at adolescence and puberty, learn the role of hormones in the growth process, learn about secondary sexual characters in males and females, learn about drug menace	Applying scientific concept in day-to-day life- challenging myths and taboos regarding adolescence, etc	Students will get basic scientific awareness about the changes in body.	Critical thinking, curiosity development, effective communication	Creating scientific awareness	Crossword puzzle or oral quiz, Data collection on height of boys and girls of class and plotting graph, Report on importance of consuming iodized salt by collecting information from magazine or newspaper		Assignment And discussion.

HALF YEARLY EXAMINATION (Lessons 5, 6, 9 & 10)

11. Force and Pressure	7	Idea of force- push or pull; w change in speed, direction of moving objects and shape of objects by applying force, e contact and non-contact forces	Diksha App, research and review papers	Students know the ideas about motion and force	Students will be asked to do some activities like pricking a pin a sponge to understand the relation of area and pressure.	Idea of force	It will enable student to: learn about various types of forces, concept of pressure and its relation with thrust, understand concept of frictional force	Learn the types of forces- contact & non-contact forces, understand the effects of force- in change of state, shape, understand that liquids & gases exert pressure	Students will be able to apply the knowledge about pressure in various processes.	Critical thinking, curiosity development	Understanding force and its applications.	Pressure exerted by liquids	A R T I N T E R A T	Numericals, Lab works
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12.Friction	7	Friction-factors affecting friction, sliding and rolling friction, moving; advantages and disadvantages of friction for the movement of automobiles, airplanes and boats/ships;	Diksha App, research and review papers	Students knows the force.	Students will be asked various questions like why there is a pattern in their shoes, what will happen if the floor is very smooth.	Moving things ideas-Friction	It will enable the student learn about factors affected that friction is a new know about ways to red	Applies learning of concepts in day- t	Students will be able to understand the need of friction and its application in daily life.	Critical thinking curiosity devel	Understanding the importance of friction in daily life.	Rolling friction is less than sliding friction	E D P R O J E C T	Class test.
		increasing and reducing friction												
7.Conservation of Plants and Animals	7	Conservation of biodiversity/wild life/plants; zoos, sanctuaries, forest reserves etc., flora, fauna, endangered species, red data book; endemic species, migration	Diksha App, research and review papers	Students already know about ecosystem and its importance.	Students will be asked to compare between forest cover now and about 5 decades back.	Why conservation is necessary?	It will enable the student to: learn about biodiversity and wildlife, learn the importance of conservation of wildlife, know the importance of national parks, sanctuaries and biosphere reserves in wildlife management, learn migration of animals, learn about red data book and its importance	Understand the need to conserve flora and fauna, understand the consequences of deforestation, comprehend the need of conserving the extinct and endemic species. understand the importance of migration of various animal	Students will understand why conservation is the need of the hour.	Critical thinking, curiosity development	Ecosystem Restoration	Visit red data book site, map work to locate national park, wild life sanctuaries, making power point presentation on endangered species of India, locating the places on India map where petroleum refineries are situated.		
13.Sound	7	Various types of sound; sources of sound; vibration as a cause of sound; frequency: medium for propagation of sound; idea of noise as unpleasant and unwanted sound and need to minimize noise.	Diksha App, research and review papers	Students knows sound is a form of energy	Students will be asked to listen to various types of sounds and classify it.	Sound	It will enable student to: Sound needs medium to travel, Sound is produced by a vibrating body	Constructs models using materials from surroundings and explains their working	They will get a basic idea about how sound id being produced and how careful we should about noise pollution.	Critical thinking, curiosity development	Importance of sound.	Sound needs medium to travel, Sound is produced by a vibrating body		Class and Homework assignment, Worksheets, Class test

14. Chemical Effects of Electric Current	7	Water conducts electricity depending on presence/absence of salt in it. Other liquids may or may not conduct electricity. Chemical effects of current. Basic idea of electroplating	Diksha App, research and review papers	Students know the idea about electricity	Students will be asked to observe the working of various electrical appliances under adult surveillance. Students will be asked to think of a day without electricity. Students will be asked to draw the basic electric circuit in some of the appliances in home to understand the components.	How things work- Electric current and circuits	It will enable the student to: learn about electrolytes and non-electrolytes, learn about chemical effects of electric current, understand the phenomenon of electroplating	Explains processes and phenomenon, chemical effects of electric current;	Students will be able to understand How careful they should be while using electrical appliances and will learn to save energy.	Critical thinking, curiosity development, initiative and self-directive	To save energy	Conduction tester for different electrolyte (fruits and vegetables-lemon juice, vinegar) Electroplating of copper on steel spoon	Discussion, Assignment worksheet
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PERIODIC ASSESSMENT – III (Lessons 11,12,13 &14)

16. Light		Laws of reflection, Characteristics of image formed with a plane mirror. Regular and diffused reflection. Reflection of light from an object to the eye. Multiple reflection. Dispersion of light. Structure of the eye. Lens becomes opaque, light not reaching the eye. Visually challenged use other senses to make sense of the world around. Alternative technology available. Role of nutrition in relation to blindness	Diksha App, research and review papers	Students know the basic concept about light	The students will be asked to find about reflections happening in smooth and rough surfaces. Students will be asked a simple question- How do we see an object?	Natural phenomena- Light	It will enable the student to: understand phenomenon of reflection of light, understand the phenomenon of multiple reflection, learn about different parts of human eye and its functions, understand dispersion of white light	Measures angles of incidence and reflection, etc	Students will be able to understand the importance of light and the process of vision. The phenomenon of reflection and refraction is very important in daily life. activities in human life like driving etc. depend or rely on such information.	Critical thinking, curiosity development	They will be able to appreciate the processes involved in vision and how technology associated with this helped to improve the quality of human life.	To verify laws of reflection of light, Showing dispersion of light, Construction of kaleidoscope	I N D I V I D U A L P R O J E C T	Class and Homework assignment.
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15. Some Natural Phenomena	7	Clouds carry electric charge. Positive and negative charges, attraction and repulsion. Principle of lightning conductor	Diksha App, research and review papers	Students know the concept about earthquake and also lightning	They will be asked to observe the natural phenomena and its effects.	Rain, thunder and lightning	It will enable student to: know about some natural phenomenon like lightning and earthquake, learn about lightning, know about lightning conductor	understand the concept of charging an object, apply the safety measures taken during lightning, know about earthquake and its measurement, understand dispersion of white light	Will have knowledge about what to do in a disaster and about the precautions to be taken.	Critical thinking, curiosity development	Disaster management.	Making model of electroscope, like charges repel and unlike charges attract	Assignment, Seminar	Class test,
17. Stars and the Solar system		Idea about heavenly bodies/ celestial objects and their classification - moon, planets, stars, constellations. Motion of celestial objects in space; the solar system.	Students know the idea about solar system	They know about solar system and galaxies.	They will be asked to observe night sky.	Stars Constellation Solar system	It will enable the student to: · know about stars, planets, universe. Learn about other heavenly bodies like comets, meteors, satellites, etc. understand about artificial satellites and its applications.	The students will be able to: recognize the shapes of constellation, learn about the solar system and planets, appreciate the uses of artificial satellites	Basic idea about astronomy.	Critical thinking, curiosity development	Appreciating the diversity	Scrap book on artificial satellites and constellations, preparing a model of solar system showing the planets and their relative sizes.	Seminar	TP, Presentation

Chapter	No. of										Subject Enrichment	Mult	Evaluation
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18. Pollution of air and water.	7	Some animals and plants live in water some live on land some live in upper layers of the soil air to breathe to respire Water and air are getting polluted become scarce for Biological and contamination of of impure water living beings; effluents containing excess and insecticides	Diksha App Research papers, review paper and blogs https://www.meritnation.com	Students have some basic idea about, components, properties of air, Air pollution Study basic idea about the waste generated and types of waste	Students will be asked to find out Components of air And uses. They will be asked To find out their contribution to air pollution.	Components of air. Properties	Understand the properties of different components of air their importance and uses Identify Various components of air. Investigate the presence of various in the air. Illustrate properties of air. Apply the knowledge of causes of air pollution so that it can be prevented. distinguish between biodegradable and non-biodegradable wastes • apply the knowledge	Explains processes of variations in composition of air Makes efforts to protect environment, (minimizing wastage of food, water, electricity and generation of waste)	Students will be able to understand the need of reducing air pollution. The analysis of individual contributions can help to reduce the pollution. Students will be able to apply their scientific knowledge in segregating waste at home and their surroundings.	critical thinking and self-direction, development, collaboration	Reducing the Pollution Of air and the Right to clean Air. Reduce, Reuse And Recycle.	Posters making on clean environment, Group discussion on Greenhouse effect and Ganga action plan.	Seminar
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ANNUAL EXAMINATION (Lessons 15, 16, 17 & 18)

SUBJECT: SOCIAL SCIENCE

Number and Name	Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based learning	21 st century skills	Ethics and Values		iple Assessment	
1 When , Where and how	5	Transition to the modern period	www.extramarks.com	Knowledge about sources to study history	Features of modern period	Periodization	Meaning of the term nation and nationalism	Distinguishes the Modern period from medieval and the ancient	Relevance of sources to know history of a place	Visual literacy	Respect	Picture study	Debate	Textual exercise
2 The Expansion of British power in India	8	Mercantilism in India	www.extramarks.com	Advent of European powers in the soil of India	Impact of British rule In India	Trade wars	Explains how the British East India Company became the most dominant power	Explains how the English East India Company became the most dominant power	Assess the role of foreign powers in India and our culture	Critical thinking	Integrity	Map work		Paper presentation
14 Resources	3	Natural resources	www.extramarks.com	Relevance of resources	Conservation of resources	Biotic and abiotic resources	Justifies judicious resources	Explains judicious use of natural resources	Importance of resource conservation	Observation skill	Appreciation	Group discussion		Textual exercises
15 Natural Resources	3	Land-use pattern	www.extramarks.com	Knowledge about natural resources	Conservation of natural resources	Soils of India	Analyses uneven distribution of natural and human made resources	To appreciate the judicious use of resources	Importance of Sustainable development	Critical thinking	Respect		Subject Integrated	Textual exercise
25 The constitution the need for	5	The importance of Laws in our Life	www.extramarks.com	Knowledge about Constitution of India	Importance of Fundamental Rights	The constitution and legality of Laws	Interprets social and political issues in one's own region	Understand the vision and the values of the constitution	Evaluate the relevance of constitution	Information literacy	Appreciation			Oral TPs.
26 Vision of Indian constitution	5	The preamble of Indian constitution	www.extramarks.com	Knowledge about importance of constitution	Importance of Fundamental rights	Fundamental Rights as human rights	Illustrates the fundamental rights and fundamental duties	Analyses social and political issues in one's own region with reference to the Constitution of India	Importance of Rule of Law	Information literacy	Appreciation	Design a cover page	Individual project	Textual Exercises,
3 Rural life Society	4	Revenue collection system in Mughal period	www.extramarks.com	Mansabdari system of Mughal period	Features of revenue collection	Revenue systems under the British	Explains the differences in the impact of colonial agrarian policies	Compare the revenue collection system of Mughals with that of British	Evaluate changes within rural society	Analyzing skill	Appreciation	Group discussion		Tp
16 Natural vegetation wildlife	4	Natural vegetation and wildlife	www.extramarks.com	Knowledge about natural resources	Protection of flora and fauna in our nature	Conservation of wildlife	To develop awareness towards resource conservation	To study the distribution of these natural resources	Assess the conservation process	Environmental literacy	Integrity			Textual exercise

PERIODIC ASSESSMENT 1 (Lessons - 1, 2, 14, 15, 16, 25 & 26)

27 Governme	4	The Parliamentary system in India	www.extramarks.com	Knowledge about the features of democratic form	Structure of democratic government	Composition of the Executive	Differentiate between the state and the union government	Describe the process of election to the Lok sabha	Assess the functions of two houses of the parliament	Citizenship skill	Appreciation			Oral TP
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6 The Revolt 1857	6	Causes of the uprising	www.extramarks.com	Events of the Revolt	Different the policies	Events of Revolt	Origin of Revolt	Describes the origin , nature , spread of the revolt of 1857	Impact of these incidents	Critical thinking	Respect	Map work		TP
7 Education British Rule	5	Education in India during British rule	www.extramarks.com	Education system in ancient India	Result of British education in India	Indian Reformers	Explains the institutionalization of the new education system in India	Discuss how the politics of education is linked to questions of power and cultural identity	Role of new education system in India	Observation skills	Integrity			assignment
18 culture	4	Farming Techniques	www.extramarks.com	Knowledge about the importance of farming	Conservation of resources	Types of farming	Describe major crops , types of farming and agricultural practices	Learn about various types of farming	Asses the importance of agriculture in our economy	Research skill	Appreciation	Map work		Oral TP
28 The ng of Laws	3	The Right to education	www.extramarks.com	Knowledge about various laws in our country	Relevance of Laws in our country	Free and compulsory elementary education	Describes the process of making laws	Describes the role of Parliament and the process of making a law	Appreciate our Law making body	Critical thinking	Respect	debate		Oral T P
4 nialism and Tribal societies	6	Tribal Revolt	www.extramarks.com	Conditions of the tribal people in India	Nature of tribal revolts	Tribal life during British rule	Describe the forms of different tribal societies	Explains the policies of the colonial administration	Contribution of Birsa Munda	Critical thinking	Integrity			Data collection
21 Human Resources		Distribution of population	www.extramarks.com	Importance of population of a country	Population pattern	Growth of population	Understand the uneven distribution of population	Analyse the reasons behind the migration of people	Factors affecting population distribution	Analysing skill	Appreciation	Draw the chart showing population distribution in India		Map work

HALF YEARLY EXAMINATION – Lessons - 4, 6, 7, 18, 21, 27 & 28

8.Women Reform	3	Status of Indian women	www.extramarks.com	Some social evils were existed in 18 century	Social reform activities for women	Widow remarriage	Understand the issues related to women	Analyse the issues related to widow remarriage, child marriage etc	Why britishers passed some laws and policies towards these issues	Criticising	Appreciation	Picture study		Oral TP
9.Challenging the Caste system	3	Caste reform	www.extramarks.com	In early times society was divided in to four castes	Important reformers in India	Gandhi and the caste system	Analyse the issues related to caste	Understand the activities done by the reformers against the caste system	Importance of Indian constitution to solve caste related problems	Critical thinking	Respect			TP
10 .Colonialism and Urban change	6	British rule in India	www.extramarks.com	Impact of British Rule	Collapse of Indian Industries and De-urbanization	British abministratio n in towns and cities	Analyses the decline of pre-existing urban centers and handicraft industries	Understand the development of new urban centres and nature of urban development in India	How did urban scenario change with the coming of the British	Observation	Appreciation			Oral TP
22.What is Disaster manage Ment	3	Effects of disaster	www.extramarks.com	The meaning of disaster	Management of disasters	Natural and manmade disasters	Describes the causes of forest fire, land slide, industrial disasters	Awareness about the risk reduction measures	Why India is considered prone to disaster	Analytical thinking	Observation			Textbook exercise

23.Natural Disaster	3	Safeguards against natural disasters	www.extramarks.com	Knowledge about the meaning and types of disaster	Different types natural disaster	Different safeguard measures for minimizing the after effect of natural disaster.	Understands natural disasters such as earthquakes, floods ,cyclones and drought	Awareness about the risk reduction measures	Importance of media for giving instruction to the people	Analytical thinking	Awareness	Picture study		TP
24. Manmade Disaster	5	Safeguards against man made disasters	www.extramarks.com	Knowledge about the different types of ma made disaster	Terrorism related issues	Safeguard measures		Describes the causes of fire-related, nuclear , terrorism leted and trvel related disaster	.	Critical thinking on terrorism	Readiness		Map	TP

PERIODIC ASSESSEMENT – III (Lessons – 8, 9, 10, 22 & 24)

29 The Judiciary	2	How Courts works	www.extramarks.com	Knowledge about our judicial system	Importance of our Judiciary	An impartial Judiciary	Describes the functioning of the judicial system	Explains the functioning of judicial system in India	Appreciate the judiciary in India	Information literacy	Appreciation	Picture study		Oral TP
9 Challenging the caste system	3	The caste system	www.extramarks.com	Activities of social reformers	Contributions of social reformers	Map	Analyses the issues related to caste and social reforms	To know the policies of colonial administration towards these issues	Importance of Indian constitution to solve caste related problems	Critical thinking	Respect			Oral TP
12 The Nationalist Movements	5	Rise of nationalism	www.extramarks.com	Ideas related to Indian National Congress	Role of freedom fighters	The INC and Gandhi	Outlines the course of the national movement from 1870s	Outlines the Indian national movement from 1870s until independence	Assess the role and contribution of INC	Critical thinking	Appreciation	Diary entry		TP
19 Industries	4	Classification of Industries	www.extramarks.com	Knowledge about different stages of production	Role of industries in our economy	Factors influencing location of industries	Classifies different types of industries	Understands the important forms of manufacturing industries	Evaluate the role of industries	Observation skill	Respect			Oral TP
30 Police and the Courts	2	Functions of the police	www.extramarks.com	The legal system	Role of police in our society	Role of public prosecutor	How to file a first information report	Analyses the causes and consequences of marginalization	The functions of police force	Observation skill	Respect	Group discussion		Oral TP

31 Social justice and marginalized	3	The SC , ST and OBC	www.extramarks.com	Knowledge about social discrimination	Upliftment of Marginalized sections	Provisions in the constitution	Analyses the causes and consequences	Describes the role of government in providing public facilities	Role of the government	Critical thinking	Respect	Group discussion	Art Integrated Project	Textual exercise
33 Economic presence of government	3	Economic functions of the government	Videos	Knowledge about functions of government	Importance of governmental policies	Participation of the government in the social sector	Describes the role of government in regulating economic activities	To enable students to think about the role of government	Evaluate the policies of the government	Critical thinking	Respect			Textual exercise
27Governme	3	The Parliamentary system in India	Pictures	Knowledge about the features of democratic form	Structure of democratic government	Composition of the Executive	Differentiate between the state and the union government	Describe the process of election to the Lok sabha	Assess the functions of two houses of the parliament	Citizenship skill	Appreciation			Oral TP

ANNUAL EXAMINATION- Lessons- 9, 12, 13, 19, 30, 31 & 33)

SUBJECT: MATHEMATICS

Lesson Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
1.Rational numbers	5	To study more on rational numbers, its standard form and to represent on a number line	School-eresources .schandpublishing.com	They have learnt fractions and basics of rational numbers	Let the children to solve problems on daily life situations like fraction of land, share of property, part of time etc	Absolute value of rational numbers, operations like addition, subtraction, multiplication and division of rational numbers.	Understand the properties of multiplication and division of rational numbers	Learn how to perform operations on rational numbers	Make use of closure property, commutative and associative property for their future studies.	Productivity and Innovation, Creativity, Flexibility and Adaptability	Organization of the number system of the form a/b and its properties will be neatly understood by the children.	Activity/ Project: Activity to obtain share of an amount, fraction of a farm land and segment of time.		Assessment test

2.Linear Equations in one variable	4	To introduce various methods to solve linear equations	school-eresources .schandpublishing.com	They are familiar with linear equations in one variable	Make the children to recall the knowledge of simple linear equations and how to solve them	Transposition method, Solving fractional equations, applications of linear equations	Learn to formulate linear equation to solve problems	Study to apply simple equations to solve real life problems	Make use of linear equations to find age, price, angles etc.	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	How to use a linear equation to find an unknown quantity will be studied.	Activity/ Project: Activity on daily life problems		Text work
3. Understanding Quadrilaterals	4	To study about polygons, its types and names according to number of sides	school-eresources .schandpublishing.com	They are familiar angles, parallel lines, open and closed shapes	Make the children to know in detail about quadrilaterals like diagonals, sum of interior angles etc	The properties of parallelogram, rectangle, square and a rhombus	To understand the idea of quadrilaterals, its types and properties	Finds the sum of interior and exterior angles of a quadrilateral and other polygons	Learn to relate the knowledge of finding unknown angles with daily life objects.	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	By understanding the concept, children will be able to find unknown angles.	Activity/ Project: To find the unknown angle of a given figure using the learnt concept	Art Integrated Project	Short investigation
4. Practical Geometry	4	To construct geometrical figures using a ruler, protractor and a pair of compasses	school-eresources .schandpublishing.com	Familiar with drawing geometrical figures using ruler, protractor and set squares.	Let the students to think about the methods to construct quadrilaterals, square, rectangle, parallelogram and rhombus	Concept of angle bisectors, perpendicular bisectors, perpendicular line, parallel lines	Learns a traditional way of constructing geometrical figures	Learns how various constructions has been done using a pair of compasses	To make use of various instruments to accurately construct geometrical figures.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will study how the constructions could be done accurately	Activity/ Project: Construct the given geometrical figure using the required criteria provided.		Performance Assessment
5. Data Handling	5	To study the basic data handling techniques	school-eresources .schandpublishing.com	Raw data and tables are familiar to them.	Try to apply the knowledge to organize data using tables and tally marks.	Pictograph, Bar Graph, Data organizations	Learn to use tables and graphs	Learn to arrange information systematically in the form of tables or graphs	Observing outcomes of events, Conducting surveys	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will study to present the data neatly and meaningfully.	Activity/ Project: Arrange expenditure on various items in a family in the last six months, in the form of a table, picto Graph and bar Graph and interpret them		Assessment test
6.Squares and Square roots	5	To study about square numbers, its properties and to estimate square root	school-eresources .schandpublishing.com	They are familiar with area of a square as a^2	Make the children to understand the concept of squares and square roots by using various methods	Properties of squares, Prime factorization method, division method, square root of decimal numbers	Analysis of types of square root calculation	Understanding the properties of square numbers and quickly calculate the result of an operation.	Making use of squares and solving puzzles/daily life problems like calculation of area.	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability, Problem Solving, Critical thinking	They will study and will be able to find its application in calculation of area and dimensions.	Group Activity: Prepare a chart on properties of square numbers		Assessment test

PERIODIC ASSESSMENT – I (Lessons - 1, 2 & 3)

7. Cubes and cube roots	5	To introduce cube numbers, its properties and to estimate cube root	school-eresources .schandpublishing.com	They are familiar with exponents like a^n	Make the children to understand the concept of cubes and cube roots by using various methods	Properties of cubes, Prime factorization method, perfect cube, cube root estimation	Analysis of Cube root calculation	Learning the properties of cube numbers and quickly calculate the result of an operation.	Making use of cube and solving puzzles/daily life problems like calculation of volume.	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability, Problem Solving, Critical thinking	They will study and will be able to find its application in calculation of volume and dimensions.	Group Activity: Prepare a chart on properties of cube numbers		Testwork
8. Comparing Quantities	5	To study the concepts Of ratio, percentage, profit and loss, GST, Compound interest	school-eresources .schandpublishing.com	They are familiar with ratio, selling price, cost price, percentage	Make the children understand the concept of percentage and calculating compound interest in different situations	Percentage and its applications, profit and loss, discount and sales tax, VAT, GST	Analysis of Percentages, Overhead Expenses and Tax.	Learning the calculation of percentages and interests	Making use Of percentages as well as calculation of Interests and Taxes in daily life	Productivity And innovation, creativity, integration, Problem solving, critical thinking	They will study and will Be able to find its application in calculation of Percentages and interests	Group Activity: To compare the amount payable when a gadget is bought on loan.		Assessment Test
9. Algebraic Expressions And identities	4	To study the algebraic expressions and its components in detail.	school-eresources .schandpublishing.com	Familiar with algebraic equations and to solve them	Let the students to identify terms of an algebraic expression and to recognize like and unlike terms, operations like addition and subtraction	Types of algebraic expressions like monomial, binomial, trinomial, its division and multiplication	Explore the previous knowledge about algebraic expressions and its terms	Solves problems involving the addition, subtraction, multiplication division of algebraic expressions	To represent identities in Geometrical Form	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	They will study how to use algebraic expressions to solve real life problems	Activity/ Project: Activity on identities		Assessment test

HALF YEARLY EXAMINATION- (Lessons 4, 6 & 7)

11. Mensuration	5	To solve problems involving perimeters of square, rectangle and triangle	school-eresources .schandpublishing.com	They have learnt the concept of area and perimeter	Make the children to find the area of parallelogram, rhombus and trapezium	Area of a general quadrilateral using the knowledge of finding the area of a triangle	To understand the idea of area and perimeter and formulae to find it	Calculates area of a region enclosed in a rectangle and a square	Learn to apply the concept in real life	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	They will study to apply the knowledge In various situations of real life	Group Activity: Find the area of a garden and calculate the cost of repairing cross roads.		assignment
12. Exponents And power	4	To study the concept of repeated multiplication in detail.	school-eresources .schandpublishing.com	Familiar with multiplication of numbers	Make the children to have detailed study of exponential notation	Base and exponent in exponential form, Laws of exponents	Express large numbers in standard form	Study to write numbers in exponential form and to understand negative exponents	Makes use of exponents to express various large numbers like speed of light, weight of earth etc	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	Exponential notation will be neatly understood by the children.	Group Activity: Prepare a chart on powers and exponents		Assessment Test

PERIODIC ASSESSMENT – III (Lessons 8, 9 & 11)

14. Factorisation	4	To recall the knowledge of factors	school-eresources .schandpublishing.com	They are familiar with factors of algebraic expressions	Make the children to learn how to factorise using common factors and by using identities	Factorisation of a trinomial by splitting the middle term	Learn to formulate various methods to solve factorisation problems	Study to apply simple equations to solve real life problems	Make use of factorisation for their future studies.	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	They will study and think deeply about solving factorisation problems	Activity/ Project: Activity on Factorization using identities	Assessment Test
15. Introduction To Graphs	6	To learn about more graphs such as line graphs, linear graphs etc.	school-eresources .schandpublishing.com	They are familiar with bar graphs, histograms and Pie charts	The students will be able to draw a line passing through the given points, plot points in a Cartesian plane	Axes, Cartesian plane, plotting Points for Different kind Of situations, Reading off from the graphs	Learn to plot Points and Draw graphs According to Different situations	Study to Easily Interpret data From Different graphs	Make use of graphs for The representation of data in their future	Productivity, Creativity, Integration, flexibility	They will study and think deeply Regarding the Easy representation As well as interpretaion of data	Activity/ Project: Activity on Preparing a Line graph Based on a Real life situation	Perfomance Assessment
16. Playing with numbers	6	To study about numbers in generalized form	school-eresources .schandpublishing.com	They are familiar with types of numbers like natural numbers, whole numbers, integers etc	After teaching the entire chapter, let the students to discover number games and puzzles	Know and apply the tests of divisibility by 2,3,5,9,10	Learn to have some fun w numbers	To apply various properties of numbers to solve problems in day-to-day life.	To make interest in daily life applications of numbers with fun.	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability, problem solving.	They will study and think deeply about solving a problem in daily life also.	Activity/ Project: Arrange various games and puzzles	Integrated project Conceptualization

ANNUAL EXAMINATION (Lessons - 12, 14 &16)

SUBJECT: INFORMATION TECHNOLOGY

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
1. Computer Networks	4	To study the network concept in detail.	www.tutorialspoint.com	Familiar with networks.	Make the children to have detailed study of networks and importance. And tell them to analyze the types of networks/topology in their locality.	Network-Definition, Types. Topology-Definition, Types.	Learn compute networks And Components.	Learn the protocols and methods to develop a network.	To make a network for their institution or home.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will study how the network and topologies made the internet clear and fast by saving the time to a great extend.	Group Activity: Prepare a PPT on networks and protocols.	Individual Project	Questionnaire
2. Forms In HTML.	5	Study of HTML forms.	www.w3schools.com	They are familiar with HTML basics.	Creation of web page.	Different tags and uses.	Learn to create a web page.	Learn to add Extra features In web pages.	Create webpage if they need.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	Learn to integrate different features in a single page and to neatly arrange the data	Lab Activity/ Project: Create different WebPages.		Webpage designing

											beautifully.			
3.HTML- Iframes	5	Study of HTML iframes.	www.w3schools.com	They are familiar with HTML.	Creation of web page.	Iframes, Syntax and uses.	Learn to Create more attractive web page.	Learn to add Extra features In web pages.	Create webpage if they need.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	Learn to integrate different features in a single page and to neatly arrange the data beautifully.	Lab Activity/ Project: Create different WebPages.	Integrated Project	Webpage designing
PERIODIC ASSESSMENT I (Lessons - 1, 2 & 3)														
4. Python – Objects	6	To study the concept of programming through python and its OOP concept.	www.w3schools.com	They are familiar with programming in python.	After teaching the entire chapter let the students to create their own programs for different problems with OOP concept.	Programming language- Python - Concept, Rules, Program Construction with OOP concept.	To explain the need of Programming and with OOP concept.	Learn how to create Programs in Python with OOP concept.	To make interest in coding which will be next generation career option.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability, problem solving, critical thinking	They will study and think deeply about solving a problem in daily life also.	Lab Activity/ Project: Create programs for the given problems.	Art Integrated Project	
5. Python – Loops	6	To study the concept of programming through python and its looping.	www.w3schools.com	They are familiar with programming in python.	After teaching the entire chapter let the students to create their own programs for different problems with loop concept.	Programmin g language- Python - Concept, Rules, Program Construction with loop concept.	To explain the need of Programming and with loop concept.	Learn how to create Programs in Python with loop concept.	To make interest in coding which will be next generation career option.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability, problem solving, critical thinking	They will study and think deeply about solving a problem in daily life also.	Lab Activity/ Project: Create programs for the given problems.		
HALF YEALRY EXAMINATION (Lessons - 4 & 5)														
6. Access 2016	4	The development of apps is studied.	www.tutorialspoint.com	Familiar with apps.	Let the students to think about the methods to develop particular apps that you are giving for them to analyze.	Apps- Geyser, Developmen t.	Identify the app types.	Learn to design apps.	Developing apps	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will study How the apps save time in daily life.	Activity/ Project: Create a list of commonly used app developing software and Make an album Shots of installing apps.	Individual Project	App designing
7. Cloud Computing	4	To introduce the cloud computing technology.	www.tutorialspoint.com	They familiar with E-mail.	They will keep the data in the cloud for its safest storage.	Clouds- Advantages, Type and Example.	Learn the Characteristics and advantages of cloud.	Study to Use Cloud computing fo Storage.	Using clouds to wisely store the data	Productivity and Innovation, Creativity, Art integration,	How to save the data neatly and securely in a time saved	Lab Activity/ Project: Use any one cloud computing		

										Flexibility and Adaptability	manner will be studied.	technology to save the data.		
PERIODIC ASSESSMENT III (Lessons - 6 &7)														
8.Cyber threats and Security	4	To study the advantages and disadvantages of internet usage.	www.tutorialspoint.com	They are using internet for different purposes.	Advising them about the advantages and disadvantages of internet, tell them to have a discussion on the topic ” How to prevent online threats”	Internet-Netiquettes, Advantages, Disadvantages , Threats, E-commerce.	The world of internet gets explored.	Learn about different internet areas including e-commerce and online payment.	Experience and explore the world of internet and surf for the information for preparing a detailed report on any given topic.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	Integrate the information and prepare the report.	Lab Activity/ Project: Surf for the information about the topic and prepare the document.		Debate
9. Internet	4	To study the advantages and disadvantages of internet usage.	www.tutorialspoint.com	They are using internet for different purposes.	Advising them about the advantages and disadvantages of internet.	Internet-Netiquettes, Advantages, Disadvantages , Threats, E-commerce.	The world of internet gets explored.	Learn about different internet areas including e-commerce and online payment.	Experience and explore the world of internet and surf for the information for preparing a detailed report on any given topic.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	Integrate the information and prepare the report.	Lab Activity/ Project: Surf for the information about the topic and prepare the document.		Documentation
ANNUAL EXAMINATION (Lessons - 8 & 9)														

GRADE 9

SUBJECT: ENGLISH

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based learning	21st Century skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
Prose: 1.The fun they had Poetry: 1.The Road not taken Supp.Reader: 1.The Lost child 2.The Adventures of Toto Gr: Tenses, modals	4	Innovation and modernism	.DIKSHA ,NCERT solutions https://www.learninsta.com	Students' knowledge on Frost's poems	To explore modern technologies To know more about the poems of Robert Frost	Innovation and modernism	The students will be able to: understand the passage and grasp its meaning. To understand the theme of the poem	Virtual classroom Justify and compare the Poet's style of writing	Conduct a debate Recite the poem	Communicative skills, creativity Reading and speaking skills	Critical analysis creativity	Individual Activity ASL Speech on the topic' New Educational system'	Individual Project Compare the modern education and ancient education	Group discussion

Prose: 2.The sound of Music Poetry: 2.Wind Supp.Reader: 3.Iswaran the Storyteller 4. In the kingdom of fools Gr: use of passive voice, Subject-verb concord	4	Music Challenges of life	DIKSHA, NCERT solutions https://www.learninsta.com	Students' knowledge in music and value of hardwork	To inculcate the value of hardwork and determination To face the challenges	Music Challenges of life	The students will be able to: understand the passage and grasp its meaning To understand the theme of the poem	Critically analyse the journey of two famous musicians To know more about nature oems	Collect the pictures of great musicians, Conduct an interview with a great musician	Communicative skills,Art integration Reading and speaking skills	Creativity and critical analysis	Individual Activity Biography of great musicians	Debate Interview with Evelyn Glennie	Exit card activity Mind map
Prose: 3.The Little girl Poetry: 3.Rain on the roof Supp.reader: 5.The Happy prince Gr: reporting	4	Love and affection homesickness Nature and peace	DIKSHA, NCERT solutions https://www.learninsta.com	Students' knowledge in family and role of children	To inculcate the value of family relations and mutual understandings To enjoy the beauty of nature	Love and affection homesickness Nature and peace	The students will be able to: understand the passage and grasp its meaning To understand the theme of the poem	Critically analyze the nuances of human relationships To be courageous to face the challenges	Construct a family story	Communicative skills, creativity, Reading and speaking skills	Love and affection	Individual Activity Constructing story	Integrated Project Family and relationship	Role play

PERIODIC ASSESSMENT I (Lessons – Prose- 1, 2 & 3 Poem- 1, 2 & 3 Supp. Reader- 1, 2, 3 & 4)

Prose: 4.A Truly beautiful man 4.The Lake Isle of Innisfree Gr: clauses	4	Determination and hardwork	DIKSHA, NCERT solutions	Students' knowledge about scientists Compare real life incidents	To know more about scientists and their works To learn more about narrative poems	Determination and hard work Life and reality	The students will be able to: understand the passage and grasp its meaning	Collect the details of a great scientist	PowerPoint presentation	Communicative skills, Flexibility and adaptability	Determination and hard work	Individual Activity Collecting information		Group discussion Interview with Albert Einstein
5.The snake and the mirror Poetry: 5.The Legend of Northland	4	Life and reality Folk tales	https://www.learninsta.com	Knowledge in folk tales	To learn more about narrative poems	Folk tales	To understand the theme of the poem	To know more about folktales	Reading Folktales	Reading and speaking skills	Life and reality			
Prose 6.My childhood	4	Hardwork and determination	NCERT solutions.DIKSHA https://www.learninsta.com	Knowledge about great personalities	To know more about the achievements of great personalities	Hard work and determination nationalism	The students will be able to: understand	Understand and analyse the equality leads to happiness To develop	Write a biography	Communicative skills, Flexibility and adaptability	Hardwork and determination nationalism	Individual Activity Writing biography	Art integrated project	Reciting the poem

Poetry: 6. No men are foreign		nationalism					the passage and grasp its meaning To understand the theme of the poem	intimacy to own country		Reading and speaking skills			Literature and artforms of Kerala and Chattisgarh	
Supp.Reader: 7.The last leaf	4	Friendship and understanding Friendship and understanding	NCERT solutions.DIKSHA https://www.learninsta.com	Experience of having pleasure trips	To write an experience of pleasure trip	Friendship and understanding	To understand the context of the lesson	Understand and analyse discrimination is inhuman	Prepare a to do list	Communicative skills,Art integration, flexibility Reading and speaking skills	Friendship and understanding	Individual Activity Preparing to do list		Group discussion

HALF YEARLY EXAMINATION- (Lessons– Prose – 4, 5 & 6 Poem- 4, 5, 6 & 7 Supp. Reader-5, 6 & 7)

Prose: 8. Reach for the top Poetry: 8. On killing a tree Supp.Reader: 8. A house is not a home Gr: Determiners	4	Goal and willpower, environment	NCERT solutions, DIKSHA https://www.learninsta.com	Knowledge about great personalities Knowledge about deforestation	To write an article on any great personalities	Goal and willpower environment	The students will be able to: understand the passage and grasp its meaning To understand the theme of the poem	Understand the importance of values of working in life To give an awareness about deforestation	Write about mountaineers	Communicative skills, Flexibility and adaptability Reading and speaking skills	Goal and willpower	Group Activity A documentary of famous mountaineers	Questionnaire Appreciation of the poem	Conduct a speech on 'Determination and hardwork'
Prose: 9. The Bond of love Poetry: 9. A snake trying Supp.Reader: 10.The Beggar Gr: prepositions	4	Love and affection Protection of Wild animals	NCERT solutions. DIKSHA https://www.learninsta.com	Knowledge about the value of relationship	To know more about the stories related to animals and their love	Love and affection Protection of Wild animals	The students will be able to: understand the passage and grasp its meaning To understand the theme of the poem	Importance of love and affection between human and animals	Write about pets	Communicative skills,social skills, emotional skills Reading and speaking skills	Love and affection Protection of Wild animals	Individual Activity Writing about pets	Individual Project	A group discussion on 'saving wild animals'

Prose: 10.Kathmandu 11.If I were you Poetry: A Slumber Did My spirit Seal Supp.Reader: 10.The Beggar	4	Exploration Crime and punishment Love and beauty	NCERT solutions, DIKSHA https://www.learninsta.com	Knowledge about plays and dramas	To know more about the plays and its sequences	Exploration Crime and punishment Love and beauty	To understand the context of the play	Critically analyze the trick used by Gerrard to befool the intruder	dramatisation	Communicative skills Reading and speaking skills	Crime and punishment	Group Activity ASL dramatization	Dialogue making Writing travelogue
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PERIODIC ASSESSMENT III (Lessons– Prose – 8, 9, 10 & 11 Poem- 8 ,9 &10 Supp. Reader- 8 & 10)

ANNUAL EXAMINATION - All Lessons

SUBJECT: MALAYALAM

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based learning	21'st century Skills	Ethics and Values	Subject enrichment	Multiple assessment	Evaluation
Chapter 1 Kathmandu If I were you	4	Exploration Crime and punishment Love and beauty	Text book	Knowledge about plays and dramas	To know more about the plays and its sequences	Exploration Crime and punishment Love and beauty	To understand the context of the play	Critically analyze the trick used by Gerrard to befool the intruder	dramatisation	Creativity	Crime and punishment	Group Activity ASL dramatization	Dialogue making Writing travelogue	Debate
Chapter 2 A Slumber Did My spirit Seal The Beggar	4	Exploration Crime and punishment Love and beauty	Text book	Knowledge about plays and dramas	To know more about the plays and its sequences	Exploration Crime and punishment Love and beauty	To understand the context of the play	Critically analyze the trick used by Gerrard to befool the intruder	dramatisation	Communication, creativity	Crime and punishment	Group Activity ASL dramatization	Dialogue making Writing travelogue	Debate
Chapter 3 Kathmandu	4	Exploration Crime and punishment Love and beauty	Text book	Knowledge about plays and dramas	To know more about the plays and its sequences	Exploration Crime and punishment Love and beauty	To understand the context of the play	Critically analyze the trick used by Gerrard to befool the intruder	dramatisation	Creativity	Crime and punishment	Group Activity ASL dramatization	Dialogue making Writing travelogue	Groups discussion

PERIODIC ASSESSMENT I (Lessons 1, 2 & 3), Supp. Reader (Lessons - 1, 2, 3 & 4)

<p>Unit 4 Reading Comprehension □ Comprehension Questions (5,6)</p>	<p align="center">4</p>	<p>Text book</p>	<p>Text book</p>	<p>Comprehension questions □ Comprehension questions □</p>	<p>Comprehension questions □ Comprehension questions □</p>	<p>Comprehension questions □ Comprehension questions □</p>	<p>Comprehension questions □ Comprehension questions □</p>	<p>Comprehension questions □ Comprehension questions □</p>	<p>Comprehension questions □ Comprehension questions □</p>	<p>Communication</p>	<p>Comprehension questions □ Comprehension questions □</p>	<p>Comprehension questions □ Comprehension questions □</p>	<p>Group discussion</p>
<p>Unit 5 Reading Comprehension Questions</p>	<p align="center">4</p>	<p>Text book, Pictures</p>	<p>Text book, Pictures</p>	<p>Comprehension questions □ Comprehension questions □</p>	<p>Comprehension questions □ Comprehension questions □</p>	<p>Comprehension questions □ Comprehension questions □</p>	<p>Comprehension questions □ Comprehension questions □</p>	<p>Comprehension questions □ Comprehension questions □</p>	<p>Comprehension questions □ Comprehension questions □</p>	<p>Creativity</p>	<p>Comprehension questions □ Comprehension questions □</p>	<p>Comprehension questions □ Comprehension questions □</p>	<p>Integrated project Group discussion</p>
<p>Unit 6 Reading Comprehension Questions □ Comprehension Questions</p>	<p align="center">4</p>	<p>Text book, pictures</p>	<p>Text book, pictures</p>	<p>Comprehension questions □ Comprehension questions □</p>	<p>Comprehension questions □ Comprehension questions □</p>	<p>Comprehension questions □ Comprehension questions □</p>	<p>Comprehension questions □ Comprehension questions □</p>	<p>Comprehension questions □ Comprehension questions □</p>	<p>Comprehension questions □ Comprehension questions □</p>	<p>Understanding, creativity</p>	<p>Comprehension questions □ Comprehension questions □</p>	<p>Comprehension questions □ Comprehension questions □</p>	<p>Speech</p>

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HALF YEARLY EXAMINATION (Lessons - 4, 5 & 6) Supp. Reader (Lessons - 5 & 6)

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PERIODIC ASSESSMENT III (Lessons 5, 6 & 7) Supp. Reader (7, 8 & 9)

ANNUAL EXAMINATION (Lessons 1 to 7) Supp Reader (1 to 11)

SUBJECT: SCIENCE

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
1.Matter in our surroundings	6	Classification of matter-pure and mixture, classification of pure substance and mixture	Diksha App, Review and research papers	Students knows the idea different type of solution and materials.	Students will be asked to identify pure and impure substances and will be asked basic questions about compounds and elements.	Matter Pure substances Mixtures Type of mixtures	The students will be able to: Students will be able to distinguish between different type of substances. They will learn about	The students would be able to- • Classify substances as pure (element, compound) and impure (mixture) substances. • Analyse the differences in the properties of elements, compounds and	Learn to identify and classify substances and use accordingly	Critical thinking, curiosity development	Understanding the chemistry behind various processes and applying it.	Activity on Tyndall effect	I N D I V I D U A L	TP, Worksheet, Lab works

							Tyndall effect.	mixtures. classify elements as metals, non-metals and metalloids based on their general physical properties. • Classify mixtures as homogeneous and heterogeneous mixtures with examples from daily lives. • analyse the differences in physical and chemical changes and apply their knowledge and understanding in daily lives. • analyse the characteristics of true solution and various types of true solution					P R O J E C T	
2.Is Matter Around Us Pure	6	Classification of matter- pure and mixture, classification of pure substance and mixture	Diksha App, Review and research papers	Students know the idea of different types of solution and materials.	Students will be asked to identify pure and impure substances and will be asked basic questions about compounds and elements.	Matter Pure substances Mixtures Type of mixtures	The students will be able to: Students will be able to distinguish between different types of substances. They will learn about Tyndall effect.	The students will be able to- • Classify substances as pure (element, compound) and impure (mixture) substances. • Analyse the differences in the properties of elements, compounds and mixtures. classify elements as metals, non-metals and metalloids based on their general physical properties. • Classify mixtures as homogeneous and heterogeneous mixtures with examples from daily lives. • analyse the differences in physical and chemical changes and apply their knowledge and understanding in daily lives. • analyse the	Learn to identify and classify substances and use accordingly	Critical thinking, curiosity development	Understanding the chemistry behind various processes and applying it.	Activity on Tyndall effect	I N D I V I D U A L P R O J E C T	TP, Worksheet

								characteristics of true solution and various types of true solution						
8. Motion	6	Measurement of time using periodic events Idea of speed of moving objects slow and fast motion along a straight line. Acceleration	Diksha App, Review and research papers	Students know that basic idea about time and motion	To understand measurement, they will be asked to compare different materials and to calculate the distance from their home to other places. To understand the need of standard units in measurement and why using body parts is not standard they will be asked to measure the length of their pen/pencil with their hand as well and comparing it with their parents or sibling.	Motion Types of motion Distance vs Displacement Acceleration Velocity	<ul style="list-style-type: none"> Describe the process and significance of seed dispersal. learn about speed and time learn plotting of distance-time graph Describing Motion, velocity; uniform and non-uniform motion along a straight line; acceleration, distance-time and velocity-time graphs for uniform motion and uniformly accelerated motion, derivation of equations of motion by graphical method; elementary idea of uniform circular motion. 	Plots and interprets graphs e.g., graph analyses and interpretations, distance-time and velocity-time graphs computing distance, speed, acceleration objects in motion,	Students will be able to apply the knowledge and skill to calculate the time needed for a journey when they know distance. Basic understanding needed in day-to-day life.	Problem solving initiative and self-directed directions	Students will learn how important is to study the concepts of motion, which made travelling much easier as well as how modern transport systems have made big development in human life.	Find out the speed of a ball moving along the ground <ul style="list-style-type: none"> comparing the speed of various objects taken. making a distance time graph Numerical 	I N T E G R A T E D P R O J E C T	Worksheet, Numerical problems, Tp
5. The Fundamental Unit of Life	7	Cell structure, plant and animal cells, use of stain to observe, cell organelles - nucleus, vacuole, chloroplasts	Diksha App, research and review papers	Students know the idea about cell-internal structure of plants cell	Students Will be asked to identify the role of bricks in a building and correlate it to human body.	The fundamental unit of life-cell Cell - Basic Unit of life : Cell as a basic unit of life; prokaryotic and eukaryotic cells, multicellular organisms; cell	It will enable the student to: learn about structural and functional unit of life, learn about discovery of cell. understand the concept	Prepare slides of microorganisms; onion peel, human cheek cells, etc., and describes their microscopic features	Students will be able to understand the complex building of various organisms.	Critical thinking, curiosity development	Understanding the basic unit of life	To observe the slide of onion peel, to observe and compare plant and animal cell on the basis of structure, Crossword puzzles		Class and Homework assignment, Lab activity

		t, cell membrane, cell wall				membrane and cell wall, cell organelles and cell inclusions; chloroplast, mitochondria, vacuoles, endoplasmic reticulum, Golgi apparatus; nucleus, chromosomes - basic structure, number.	of size and shape of cell. learn about cell structure and their functions							
3. Atoms and Molecules	8	Atoms and molecules . Law of constant proportions. Atomic and molecular masses. Relationship of mole to mass of the particles and numbers. Valency. Chemical formula of common compounds.	Diksha App, Review and research papers	Students know the ideas about different elements	Students will be asked to find out the difference between an atom and a molecule.	Atom Molecule Laws Valency Mole	What are Atoms and Molecules?	uses scientific conventions, symbols, and equations to represent various quantities, elements, and units, such as, SI units, symbols of elements, formulae of simple compounds, chemical equations, etc.	Students will be able to understand the difference of atom, molecule, element etc.	Critical thinking, curiosity development	Life values	To verify the law of conservation of mass. Revision of numerical on laws of chemical combination	Discovering history of atoms	Tp,works heet
6. Tissues	8	Basic idea about the different types of tissues.	Diksha App, research and review papers	Students know about cells and its organelles.	Students will be asked to observe the barks of trees, plant shoots etc.	Tissues Types Plant tissues Animal tissues	To explain The difference between tissues and cells. The different type of tissues and their functions.	Prepare slides of microorganisms; onion peel, human cheek cells, etc., and describes their microscopic features	Students will be able to understand the complex building of various organisms.	Critical thinking, curiosity developments directive	Understanding the basics of life	Observing the types of tissues under a microscope		TP,Work sheet,Lab activity

PERIODIC ASSESSMENT – I (Lessons - 2, 3, 5, 6 & 8)

HALF YEARLY EXAMINATION (Lessons - 4, 5, 13 & 14)

10. Gravitation	6	Importance of the carbon element, Covalent bond, Homologous Series and functional groups, Alcohols and carboxylic acids, Soap and detergents	Diksha App, Review and research papers	Students know the concept about motion	Students will be asked to think of a situation of no gravity. Throwing stone vs feather etc.	Gravitation; Universal Law of Gravitation, Force of Gravitation of the earth (gravity), Acceleration due to Gravity; Mass and Weight; Free fall.	What is Gravity? Universal Law of Gravity Weight in moon and Earth	applies learning in hypothetical situations, such as of an object at moon, weight of an object at equator and poles, possible life on other planets, etc.	To explain air resistance and the effect of gravity.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will understand the effect of gravity and how the discovery of gravity changed the view of science.	1 To determine the density of solid by using a spring balance and a measuring cylinder. 2 To establish the relation between the loss in weight of a solid when fully immersed. 3 To observe and compare the pressure exerted by a solid iron cuboid on fine sand /wheat flour while resting on its three different cases	I N D I V I D U A L P R O J E C T	Worksheet and discussion, Numerical problems
11. Work And Energy	6	Work, energy, forms of energy, power	Diksha App, Review and research papers	The students know the basic ideas about different forms of energies	Students will be asked to define work, energy and power.	Work done by a Force, Energy, power; Kinetic and Potential energy; Law of conservation of energy.	What is Work and Energy and their types etc.?	understand the meaning of work according to science comprehend various examples showing transformation of energy. derive expression of KE and PE understand different types of energy.	Understanding the scientific explanation of work, energy and power.	Critical thinking, curiosity development	Understanding work	To determine density of solid (denser than water) by using a spring balance and a measuring cylinder		Worksheet, Lab works
3.Sound	7	Various types of sound ; sources of sound ; vibration as a cause of sound; frequency	Diksha App, research and review papers	Students know sound energy	Students will be asked to listen to various types of sounds and classify it.	Sound	It will enable Sound needs travel, Sound by a vibrating	Constructs models using materials from surroundings and explains their working	They will get a basic idea about how sound is being produced and how careful we should be about noise pollution.	Critical thinking, development	Importance of sound.	Sound needs medium to travel, Sound is produced by a vibrating body		Class and Homework assignment, Worksheets, Class test

		ncy: medium for propagation of sound; idea of noise as unpleasant and unwanted sound and need to minimize noise.												
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Improvement in Food Resources	8	Agriculture and different crops	Diksha App, Review and research papers	Students know about crop types. Safe storage of food	Asking students to compare the different crops	Crops and its types Improved agricultural activities Nutrients requirement Irrigation Storage of grains	It will enable students to know about the agricultural processes	Students know about the processes involved to get good yield of disease free crop	.Students know the crops	Applies scientific knowledge in daily life and solve problems	Relate the process involved in farming	Problem Solving .		Assignment and oral quiz
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PERIODIC ASSESSMENT – III (Lessons - 10 &11)

MID TERM EXAMINATIONS 1 & 2

PRE- BOARD 1 & 2

BOARD EXAMINATION 1

SUBJECT: SOCIAL SCIENCE

Chapter Number and	No. of Period	Key Concept	Resources	Prior	Extended	Sub-themes	Learning	Learning	Competency	21 st Skills	Ethics and	Subject	Multiple	Evaluation
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HALF YEARLY EXAMINATION (Lessons (1 - 17)

11 Forest , Society and colonialism	8	Forest management in India and Java	https://www.learncbse.in	Knowledge about life of tribals	Importance of afforestation	Causes of deforestation	To know about the importance of conservation of forest	To understand the need for sustainable development	Conservation of forest resources	Awareness	Kindness			Class TPs
12 Climate	5	Factors affecting climate	https://www.learncbse.in	Role of climate in the distribution of flora and fauna	Importance of climate in India	Weather conditions in India	To know the factors affecting climate	Familiarize various climatic conditions	Influence of Climate	Awareness	Respect			Textual Exercises, Class TP
13 Natural vegetation	4	Types of vegetations	https://www.learncbse.in	Features of climate	The importance of vegetation	Wildlife protection	To study about the features of flora and fauna	Asses the role of government in the conservation of wildlife	Evaluate the governmenta l policies	Understandin g	Integrity	Map work		Textual Exercises, Oral TPs, Class TPs.
14 Electoral politics	4	Election procedures in India	https://www.learncbse.in	Knowledge about universal adult franchise	Evaluate the election process	Universal adult franchise	To study about the role of election commission in India	Familiarize with the functions of Election commission	Evaluate the functions of Election commission in India	Awareness	Appreciatio n		Assignment on Functions of election commissio n	Textual Exercises, Oral TPs, Class TPs.
15 Working of Institution	5	Parliament	https://www.learncbse.in	Knowledge about the democratic way of rule	Assess the role of permanent executives	Powers and functions of president and prime minister	To study about the features of parliamentary system	Compare the democracy with other forms of government	Evaluate the success of democracy	Understandin g	Appreciatio n			Textual Exercises, Oral TPs, Class TPs.
16 Democratic Rights	5	Rights in India	https://www.learncbse.in	Knowledge about rights and duties	Evaluate the role of government in guarantees rights	Rights in Indian constitution	To study the importance of democratic rights and duties	Assess the role of government	Importance of protection of rights	Understandin g	Respect		Draw a flow chart on Fundament al Rights in a A4 sheet	Textual exercise
17 Poverty as challenge	4	Causes of poverty	https://www.learncbse.in	Knowledge about the condition of poor people in India	Examine the factors that led to poverty in India	Anti – poverty measures	To study about the role of government	Evaluate various governmenta l policies	Assess the success and failure of various measures	Awareness	Respect			Textual Exercises, Oral TPs, Class TPs
18 Food Security in India	4	Role of cooperatives in food security	https://www.learncbse.in	Knowledge about causes of poverty in India	Evaluate the functions of public distribution system	Importance of food sufficiency	To study about the functions of PDS	To understand the dimensions of food security	Assess the work of cooperatives	Understandin g	Appreciatio n			Textual Exercises, Oral TPs, Class TPs
19 Population	4	Population growth and processes of population change	https://www.learncbse.in	Knowledge about population density	Assess the role of human resource	Age composition	To study about processes of population growth	To understand the distribution of the population	Evaluate the role of government in making human as an asset to the nation	Awareness	Appreciatio n	Locate places		Textual Exercises
20 Pastoralists in the modern world	5	Pastoral nomads and their movement	https://www.learncbse.in	The meaning of pastoralism	Colonial rule and pastoral life	Pastoralism in Africa	Analyze the impact of modern states	Analyzes the impact of expansion of markets on pastoralism	Evaluate the life of pastoralists	Curiosity	Appreciatio n			TP

PERIODIC ASSESSMENT – III - All Chapters

ANNUAL EXAMINATION - All Chapters

SUBJECT: MATHEMATICS

Lesson Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
1.Number Systems	5	To study more on numbers, its standard form and to represent on a number line	https://ncert.nic.in/	They have learnt fractions, decimals, exponents and basics of rational numbers	Let the children to solve problems on daily life situations like fraction of land, share of property, part of time etc	Irrational numbers, real numbers and their decimal expansions, laws of exponents	Understand the properties of operations on real numbers	Learn how to perform operations on real numbers	Make use of laws of Exponents for their future studies.	Productivity and Innovation, Creativity, Flexibility and Adaptability	Organization of the number system and its properties will be neatly understood by the children.	Activity/Project: Activity to represent real numbers on number line	Individual Project	Assessment test
2.Polynomials	4	To study the concept of polynomials in detail.	https://ncert.nic.in/	Familiar with factorisation and algebraic identities	Make the children to have detailed study of polynomials in one variable	Zeros of a polynomial, remainder theorem, factorisation of polynomials	Explore the previous knowledge about polynomials, algebraic expressions and its terms	Study to use algebraic identities in factorisation and in evaluating expressions	Makes use of remainder Theorem and factor theorem for their future studies	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	Polynomials will be neatly understood by the children.	Group Activity: Prepare a chart on identities		Quiz competition
3.Coordinate Geometry	5	To study about Cartesian system and points in a plane	https://ncert.nic.in/	They are familiar with line, line segment and points.	Make the children to understand the concept of coordinate geometry	Cartesian system, graph, Ordered pair	Analysis of Different types Of quadrants	Understanding quadrants and axes.	Making use of the concept to locate point on a plane	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability, Problem Solving, Critical thinking	They will study and will be able to find its application in describing positions	Group Activity: Prepare a chart on various quadrants		Performance Assessment
4. Linear Equations in Two variables	4	To introduce various methods to solve linear equations	https://ncert.nic.in/	They are familiar with linear equations in one variable	Make the children to recall the knowledge of simple linear equations and how to solve them	Solution of a linear equation, graph of linear equation in two variables	Learn to formulate linear equation to solve problems	Study to apply simple equations to solve real life problems	Make use of linear equations to find age, price, angles etc.	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	How to use a linear equation to find an unknown quantity will be studied.	Activity/Project: Activity on daily life problems		Performance Assessment

PERIODIC ASSESSMENT – I (Lessons - 1, 2 & 3)

5. Introduction To Euclid's geometry	5	To introduce Euclid's definitions, axioms And postulates	https://ncert.nic.in/	They are familiar two dimensional geometry	Make the children to understand the concept by using various methods	Equivalent Versions of Euclid's fifth postulate	Analysis of Axiom 1 and Theorem 2	Learning the concept in detail	Making use of it in various situations	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability, Problem Solving, Critical thinking	They will study and will be able to find its application in future studies	Group Activity: Activity to prove two line Segments are equal		Assessment test
6.Lines and angles	4	To understand the formation of angles and its measurement	https://ncert.nic.in/	They have learnt basic geometrical terms	Make the children to know the types of angles	Know the properties of related angles	Learn the concept of angles, parallel lines and transversal	Learn to find unknown angles in a geometrical figure	Learn to relate the concept to solve real life problems	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	By understanding the concept, children will be able to use it for future studies	Activity/ Projects: Activity to prepare a chart on types of angles and parallel lines cut by a transversal		Multiple choice questions
7.Triangles	4	To study the Properties of triangles based on their angles and sides.	https://ncert.nic.in/	They are familiar with various elements of triangles	Make the children to study angle sum property, exterior angle property and sum of two sides of a triangle property	Concept of congruence and inequalities in a triangle	To understand the idea of triangles, its types and properties	Finds unknown angles in a triangle using properties of angles in it	Learn to relate the knowledge of finding unknown angles with daily life objects.	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	By understanding the concept, children will be able to find unknown angles.	Activity/ Project: To find the unknown angle of a given figure using the learnt concept	Art Integrated Project	Short Investigation
8. Quadrilaterals	4	To study about polygons, its types and names according to number of sides	https://ncert.nic.in/	They are familiar angles, parallel lines, open and closed shapes	Make the children to know in detail about quadrilaterals like diagonals, sum of interior angles etc	The properties of parallelogram, rectangle, square and a rhombus	To understand the idea of quadrilaterals, its types and properties	Finds the sum of interior and exterior angles of a quadrilateral and other polygons	Learn to relate the knowledge of finding unknown angles with daily life objects.	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	By understanding the concept, children will be able to find unknown angles.	Activity/ Project: To find the unknown angle of a given figure using the learnt concept		Multiple choice questions

HALF YEARLY EXAMINATION (Lessons 4, 5 & 6)

10. Circles	4	To recall the knowledge of circles and its Related terms	https://ncert.nic.in/	They are familiar with radius, chord etc of a circle	Make the children to learn angle subtended by an arc, cyclic quadrilaterals	Equal chords, perpendicular from the centre to a chord	Learn to formulate various methods to know the concept in detail	Learn to relate the knowledge with daily life objects.	Make use of the concept for their future studies.	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	They will study and think deeply about solving problems	Activity/ Project: Activity on Area of a circle	Individual Project	Quiz competition
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12..Heron's formula	5	To solve problems involving area Of a triangle	https://ncert.nic.in/	They have learnt the concept of area and perimeter	Make the children to find the area of a triangle using Heron's formula	Area of triangle and quadrilaterals	To understand the idea of area and perimeter and formulae to find it	Calculates area of a region using Heron's formula	Learn to apply the concept in real life	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	They will study to apply the knowledge In various situations of real life	Group Activity: Find the area of given figure		Assessment
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PERIODIC ASSESSMENT – III (Lesasons - 7, 8 & 10)

13. Surface Area and volume	5	To study the concept of surface area and volume	https://ncert.nic.in/	They are familiar with two dimensional and three dimensional shapes	Let the children know the difference between 2D & 3D shapes and volume & capacity	Volume and surface area of Spheres (including hemispheres) and right circular cones	To find surface area and volume of given 3D figures	Explains Volume and Surface area In detail	Learn to relate the knowledge of surface area and volume with daily life objects.	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	By understanding the concept, children will be able to find area, volume and dimensions	Activity/ Project: To prepare a simple report on how the knowledge of volume and area can be applied to design a product packaging		Test paper
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14. Statistics	5	To study the basic data handling techniques	https://ncert.nic.in/	Raw data and tables are familiar to them.	Try to apply the knowledge to organize data using tables and tally marks.	Bar Graphs, Histograms and frequency polygons	Learn to use tables and graphs	Learn to arrange information systematically in the form of tables or graphs	Observing outcomes of events, Conducting surveys	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will study to present the data neatly and meaningfully.	Activity/ Project: Arrange expenditure on various items in a family in the last six months, in the form of a table, picto Graph and bar Graph and interpret them	Integrated Project	Assessment test
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ANNUAL EXAMINATION – (Lessons - 12, 13 & 14)

SUBJECT: INFORMATION TECHNOLOGY

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
1.Communication Skills -	4	To study how a communication	www.corporatefinanceinstitute.com	They are	Understanding the rules for	Communication Skills-	Demonstrate the knowledge	Communication skills get	Make an effective	Productivity and	Communication in an	Group Activity: List do's and		Group

I		should be to make it effective.		familiar with verbal and non verbal communications.	communication, the students will do only effective communication.	Cycle, 7c's, SWOT analysis, Phrases.	of communication.	understood.	communication cycle in the class by verbal or non verbal communication.	Innovation, Creativity, Art integration, Flexibility and Adaptability	effective way will be implemented in life.	don'ts of communication.	Individual project	Discussion
2. Self management skills - I	4	Tells the students about how to manage one self.	www.youthemployment.org.uk	They met with counseling and trainings for the topic "self management"	They will be able to manage the situations in daily life.	Stress management- Methods, overcoming the stress.	Identify the importance of self management.	Learn to manage oneself.	Give some situations of stress and tell them how they will overcome the situations.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will study to handle the situations neatly.	Individual Activity: Take seminars on the topics given and submit the report.		Quiz

PERIODIC ASSESSMENT I (Lessons - 1 & 2)

3. ICT skills - I	5	The chapter tells the very basic concept of using a computer system.	www.griffith.ie	They are using computers.	The knowledge get from the chapter can be implemented in future use of computers personally and professionally.	Basic ICT Skills: Rules, Storage, Hardware, Software.	Describe the role of ICT in day to day life.	Detailed study of ICT.	From the real time situation make a note on where all we fail to keep the rules and information while using the computer.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will study to keep ethics on using computers.	Group Activity: Discuss and make a report on importance and need of ICT skills.	Integrated Project	Seminar
4. Entrepreneurial skills - I	5	The chapter deals with developing the skills to become an entrepreneur.	www.forbes.com	Familiar with different enterprises.	They can mold themselves as good entrepreneurs.	Entrepreneurial skills- Characteristics, Myths.	Identify the various types of business activities.	To build an entrepreneur.	Costing of products made out of wastes.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will apply knowledge to become good entrepreneurs and will utilize their knowledge to handle them and appreciate them.	Group Activity: Make the students to conduct a group discussion on "Myths about Entrepreneurship" And make report.		Group Discussion
5. Green skills - I	4	The concept of how we can have eco friendly means of business.	www.unido.org	They studied about green economy.	They can use the advantage of green economy to create new live projects.	Green skills- Green Economy, Effects, Methods, Benefits.	Describe the green skills importance.	Study the importance of green economy.	Understanding the advantages of leading a green economy over the ordinary one and make a green society.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	Appreciate the benefits of green economy and consider it in every moment of life.	Group Activity: Discussion on the benefits of green skills.		PPT Presentation

HALF YEARLY EXAMINATION (Lessons - 3, 4 & 5)

6. Introduction to IT-ITeS industry	5	To make aware of the fundamentals of computer.	www.ibef.org	They are using computers. Familiar about basics.	They will study the computer fundamentals in detail and will be able to explain in detail.	Fundamentals of computer- Hardware, software, Storage.	Learn about the computer basics.	Detailed study of computer	Experience and explore a computer to study about the parts.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	The integration of computer parts will be noticed and will try for their own creativity.	Group Activity: List out and discuss different applications of computer in real life.	Art Integrated Project	Questionnaire
7. Data Entry and Keyboard Skills	5	To let the children do professional typing.	www.gadgetsnow.com	Documents are getting typed by them.	They can take the advantage of the typing software to be professional.	Mastering Typing- Levels, Rules.	Technical way of typing gets introduced.	Typing and its rule get studied.	Type a document based on the rules and think which level you will reach in one year.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will arrange the data neatly in a document and will type by saving the time.	Lab Activity: Type a document satisfying the typing rules.		Questionnaire and Documentation
8. Digital Documentation	5	To study the concept of documentation.	www.tutorialspoint.com	They know the software.	They can document a file very neatly in future by doing several examples.	Word- Tools, Features, Activities.	The features of MS Word are studied.	Able to format a document.	Type and format a document according to the specified features.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will neatly arrange a document and save the space by formatting it in a professional way.	Lab Activity: Type and format different given documents.		Documentation

PERIODIC ASSESSMENT III (Lessons - 6, 7 & 8)

9. Electronic Spreadsheet	5	To study the importance of tabular arrangement of data and easy calculating tools.	www.tutorialspoint.com	They are using the software.	Understanding the easiness of using the software, they will use it in their calculating activities.	Spreadsheets- Tools, Rules.	Working with MS Excel Is introduced.	Enhance the ability of using spreadsheet.	Prepare a progress report and use the features wherever necessary.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will organize the data neatly in an easily Understandable manner.	Lab Activity: Work on reports and bills.	Individual project	Report creation and Accounting
10. Digital Presentation	5	To study how should be a presentation.	www.tutorialspoint.com	They are using the software.	They will be able to make and present an effective PowerPoint presentation.	Presentation- Making, Formatting.	Creation of presentations with advanced features.	Increases the ability to create and present PPTs.	Prepare and present presentation on the topics you got.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will study to present information about a topic neatly and in an organized manner.	Lab Activity: Prepare and present ppts on different topics satisfying the rules for formatting and presenting		Presentation

ANNUAL EXAMINATION (Lessons - 9 & 10)

GRADE 10

SUBJECT: ENGLISH

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	21st Century skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
Prose: 1.A letter to god Poetry: 1.Dust of snow Supp.Reader: 1.A triumph of surgery Gr: tenses, modals	4 4	faith and belief in god Change of mood	NCERT solutions, .DIKSHA https://learninsta.com	Students' knowledge on faith and belief Personal experience	To inculcate the reading skill of students and love on nature	Faith and belief Change of mood	The students will be able to: understand the passage and grasp its meaning. To understand the theme of the poem	The students can understand and appreciate prose as literary form.	Writing letter Recite the poem	Communicative skills, Flexibility and adaptability Reading and speaking skills	Faith and belief control Emotions	Individual Activity: Character sketch of Lencho Appreciation of the poem	Individual Project-Preparing mind map	Reciting poem Reading and writing
Prose: 2.Nelson Mandela A long walk to Freedom Poetry: 2. Fire and Ice Supp.Reader: 2.The Thief's story Gr: Use of passive voice	4 4	Hard work and determination Hatredness and selfishness	NCERT solutions DIKSHA https://learninsta.com	Students' knowledge on social leaders Knowledge in other poems	To read more autobiographies and more poems of Robert Frost	Hard work and determination Hatredness and selfishness	To impart the Knowledge To understand Context To understand the theme of the poem	The students Can write biographies Recite the poem with stress and intonation	Write a biography Recite the poem	Communicative skills,social Skills Reading and speaking skills Writing skill Thinking skill	Harmony And dedication Social commitment	Individual Activity- Appreciation of the poem Write a biography About the literary devices of the poem	Dialogue Making Interview with Nelson Mandela	Interview with Nelson Mandela Group discussion
Prose: 3. Two stories flying 1. His first flight 2. Black aeroplane Poetry: 3. A tiger in the trap Supp.Reader: 3.The Midnight Visitor 4.A Question of Trust Gr: subject-verb concord, reporting	4	Challenges of life Freedom and captivity	NCERT solutions .DIKSHA https://learninsta.com	Students' knowledge in related stories Knowledge about value of freedom	To inculcate the reading skill To face the challenges in life. Conservation of wildlife	Challenges of life Freedom and captivity	To impart the Knowledge To understand Context To understand the theme of the poem	Develop their ideas on flying Make another poem in similar theme	Compare and study the characters Recite the poem	Communicative skills, Flexibility and adaptability Reading and speaking skills Skill of comparing	Courage and effort hope	Individual Activity Compare and study the characters of first flight and black aeroplane Appreciation of the poem	Integrated Project-	Group discussion Listening and speaking

PERIODIC ASSESSMENT - I (Lessons– Prose- 1, 2 & 3 Poem- 1, 2 & 3 Supp. Reader- 1, 2, 3 & 4)

<p>Prose: 4.From the diary of Anne Frank Poetry: 4.How to tell V Animals Supp.Reader: 5.Footprints without feet Gr:commands Requests,statements</p>	4	Love and affection Personal feelings	NCERT solutions .DIKSHA https://learninsta.com	Students' knowledge in family and role of children Knowledge on wildlife	To learn more autobiographies and poems on animals	Love and affection Personal feelings	To impart the Knowledge To understand Context	They can write autobiography	Writing autobiography	Communicative skills, creativity Reading and speaking skills Writing skill Social skill	resistance	Individual Activity- Writing autobiography		Debate Interview with Anne Frank
<p>Poetry: 5.The ball poem Supp.Reader: 6.The making scientist Gr: questions</p>	4	mental stress and recovery	NCERT solutions DIKSHA https://learninsta.com	Personal experience	To understand Coping with loss	mental stress and recovery	To understand the theme of the poem	Recite the poem with stress and intonation	Recite the poem	Reading and speaking skills Emotional skill	Face the challenges	Recite the poem	Art-Integrated Project Compare and study the Geographic al features and flora and fauna of kerala and Chattisgarh	Roleplay
<p>Prose: 5.The Hundred Dresses-1 6.The Hundred Dresses-2 Poetry: 6.Animals</p>	6	Racism repentance	NCERT Solutions Diksha https://learninsta.com	Other stories related to discrimination	To read and learn stories related to discrimination	Racism repentance	To impart the Knowledge To understand the Context	They can compare the characters of the lesson	Presenting Role play	Communicative skills, Flexibility and adaptability	Mutual Understanding	Group Activity ASL Role play		PPT Presentation
<p>Prose: 7. The Glimpses of India Poetry: 6. Amanda Supp.Reader: 7. The Necklac</p>	4	exploration freedom and parenting	NCERT solutions ,Google.DIKSHA https://learninsta.com	Knowledge about beautiful places of India Emotions of a teenage girl	To read more books related to glimpses of India and writings on teenagers	exploration freedom and parenting	To impart the Knowledge To understand Context To understand the theme of the poem	They can explore and write their experience Create a poem	Writing Travelogue Recite the poem	Communicative skills, social skills Reading and speaking skills Exploration skill	Exploring the facts Cop up with stress	Individual Activity Travelogue& Recite the poem		Roleplay Appreciation of the poem

HALF YEARLY EXAMINATION- (Lessons– Prose – 1, 2, 3, 4, 5, 6 & 7 Poem- 1, 2, 3, 4, 5 & 6 Supp. Reader-1, 2, 3, 4, 5, 6 & 7)

<p>Prose: 8.Mijbil the Ot Gr. clauses</p>	4	Caring and pets Self contained	NCERT solutions Google.DIKSHA	Caring on pets Other poems	To learn more about types of pet animals	Caring and pets	To understand the theme	Recite the poem with stress and intonation	Creating poem	Communicative skills, emotional skills	Self oriented	Individual Activity Create a poem		Group discussion
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				related to animals	To learn other poems of the poet	Self contained	of the poem			Reading and speaking skills Creative skill				
Prose: 9. Madam ride Bus Poetry: 8.Trees Gr: Determine Supp.Reader: 8. The Hack D	4 4	Practical knowledge and maturity Conservation of nature	NCERT solutions ,Google.DIKSHA	Personal experience Loving nature	To know about similar stories and poems	Practical knowledge and maturity Conservation of nature	To impart the Knowledge To understand Context	They can have experience in unknown activities	Dialogue writing	Communicative skills, social skills Reading and speaking skills Social skill	Practical knowledge	Individual Activity Dialogue writing	Individual Project-2	Conversation
Prose: 10.The sermon Benares Poetry: 9.Fog Supp.Reader: 9. Bholi	4 4	Ultimate truth Simplicity and acceptance	NCERT solutions ,Google.DIKSHA	Knowledge about the great personalities Features of nature	To understand the philosophies of Buddha To understand the theme of the poem	Ultimate truth Simplicity and acceptance	To impart the Knowledge To understand Context To understand the theme of the poem	They can explore and have a discussion Recite the poem with stress and intonation	Conducting Interviews and writing books	Communicative skills, Flexibility and adaptability Reading and speaking skills	Law of nature and acceptance	Group Activity	Debate Interview with Kisa Gotami	Group discussion
Prose: 11.The propos Poetry: 10. The tale of custard The dr 11.For Anne Gregory Supp.Reader: 10.The book th saved the earth Gr: prepositi ons	4 4	Self appraisal And rivalry Bravery and humbleness Love and relationship	NCERT solutions Google.DIKSHA	Knowledge about the famous plays Knowledge about Brave people Poems on beloved	To learn about more plays	Self appraisal And rivalry Bravery and Humbleness Love and relationship	To understand the context of the play	They can dramatis the play	Scripting drama And writing poems	Communicative skills, social skills, creativity Reading and speaking skills Presentation skill	Managing the emotions	Group Activity ASL dramatisation	Roleplay mindmap	Dramatization

PERIODIC ASSESSMENT III- (Lessons– Prose – 8, 9, 10 & 11 Poem- 8, 9 & 10 Supp. Reader- 9 & 10

ANNUAL EXAMINATION - All lessons

SUBJECT: MALAYALAM

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency-based learning	Life Skills. 21st century skill	Ethics and Values	Subject enrichment	Multiple assessment	Assessment
0000 00000 0000000 000000000	4	00000000000000 0000000	Textbook	00000000 0000000000 00 0000000000 0 00000	0000000 000000000 000000000 00000000000	00000000000 00 000 00 00 00	0000 0000000000 00 0000000000	0000 000000000 0000 000000000 0000	000000 00000000 000000000 0000000000 00	Productivity and innovation, creativity	0000000 0000000 000000000 00	00000000 00000000 0000000	Individual project	Group discussion
00002 000000000 00000	4	000000000 0000000000000 00000	Text book	00000000 000000000 00000000000 0 00000	0000000000 0 0000000 0000000000	0000000000 0000 00000	0000 000000000 00000000000 000000	0 00 000000000 00000000 0000	00 000000000 00000000 0000000000 000	Creativity	0000 000000000 0000000000	00000000 0000000		Questionnaire

10.Light	10	Laws of reflection, Characteristics of image formed with a plane mirror. Regular and diffused reflection Reflection of light from an object to the eye. Multiple reflection Dispersion of light. Structure of the eye. Lens becomes opaque, light not reaching the eye. Visually challenged use other senses to make sense of the world around. Alternative technology available. Role of nutrition in relation to blindness Mirror and lens formulas Power of lens	Diksha App, research and review papers	Students knows the basic concept about light	The students will be asked to find about reflections happening in smooth and rough surfaces. Students will be asked a simple question- How do we see an object?	Natural phenomena- Light	It will enable the student to: understand phenomenon of reflection of light, understand the phenomenon of multiple reflection, learn about different parts of human eye and its functions, understand dispersion of white light	Measures angles of incidence and reflection, etc	Students will be able to understand the importance of light and the importance of vision. The phenomenon of reflection of light is important in daily life activities in life like driving depend on such information.	Critical thinking, curiosity development	They will be able to appreciate the processes involved in vision and how technology associated with this helped to improve the quality of human life.	To verify laws of reflection of light, Showing dispersion of light, Construction of kaleidoscope Refraction through glass slab Focal length of concave and convex mirrors and lenses	Lab works and Homework assignment(Numerical problems,draw ray diagrams)
6. Life Processes	8	Autotrophic nutrition, Heterotrophic nutrition, Respiration, Transportation in human beings and plants, Excretion	Diksha App, Review and research papers	Students know basic idea about basic life processes.	Students will be asked to find out the basic processes involved in life.	Nutrition Types Respiration Transportation Excretion	Students will be able to understand processes involved in humans like digestion, excretion etc.	Students will be analyzing the different processes.	Basic human processes and its importance	Critical thinking, curiosity development	Life values	Lab activities related to photosynthesis	Class test

11.Human Eye and Colourful World	6	Human eye, Dispersion of white light atmospheric refraction Tyndall effect	Diksha App, research and review papers	Students knows the idea about light and its propertied and also an idea about natural phenomenon related to light	Students will be asked to observe the sky during morning, noon and evening. To observe rainbow, stars etc.	Functioning of a lens in human eye, defects of vision and their corrections, applications of spherical mirrors and lenses. Refraction of light through a prism, dispersion of light, scattering of light, applications in daily life	To explain power of accommodation To explain the reason of twinkling of stars and delay in sunset and sunrise	Relates processes and phenomena with causes and effects, such as, blue colour of sky with scattering of light, explain the phenomena like twinkling of stars, advanced sunrise and delayed sunset, formation of rainbow, etc. exhibits creativity in designing models using eco-friendly resources,	Students will understand science behind natural phenomenon.	Critical thinking, curiosity developments directive	They will be able to appreciate the processes involved in vision and how technologies associated with this helped to improve the quality of human life.	To show scattering of light in colloidal solution To show scattering of light throw glass prism		TP, Worksheet, Lab work
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PERIODIC ASSESSMENT – I (Lessons - 1, 5, 6, 10 & 11)

2. Acids, bases and salts	6	Acids and Bases, pH scale Salts	Diksha App, Review and research papers	Students knows the basic idea about acids and bases	Students will be asked why antacids are consumed, what happens when an ant sting etc.	Chemical Substances - Nature and Behaviour	The students will be able to: · name acid-base and olfactory indicators · tell the colour changes of indicators in acidic and basic solutions · explain the general properties of acids · explain the general properties of bases · differentiate between base and alkali · write the ionization of acids and bases · explain pH concept · understand pH of salt solutions · understand the properties of NaOH, baking soda, washing soda, bleaching powder · explain the preparation of NaOH, baking soda, washing soda, plaster of Paris	The students would be able to · identify various natural and synthetic indicators · explain the nature of unknown samples using different indicators · identify whether the given substances are acidic or basic in nature · distinguish between strong and weak acids and bases · relate pH to everyday life · distinguish between baking soda and washing soda · understand the application of Plaster of Paris and Bleaching powder in daily life	Differentiates and classifies materials, and processes based on, properties and characteristics, such as weak acids and bases, acidic, basic, and neutral salts using different indicators	Critical thinking, curiosity development	Understanding the need of acidic and basic products in various chemicals	To study the properties of dilute HCl and dilute NaOH To find the pH of unknown samples using pH papers, prepare indicators	A R T I N T E G R A T E D P R O J E C T	TP, Worksheet, Lab works, PPT on application of Ph scale
3. Metals and Nonmetals.	6	Classification of elements, Electron dot structure and bonding Reactivity, Series	Diksha App, Review and research papers	Students knows the ideas about elements and their classification as metals and nonmetals	Asking students to classify the materials they use according to what they are made up of.	Properties of metals and non-metals; Reactivity series; Formation and properties of ionic compounds; Corrosion and its prevention.	It will enable the to: know about of metals and non nature, learn displacement reaction of metal nonmetals, learn uses of metals and nonmetals	classifies materials on properties/ characteristics, and non-metals	Students will be able to distinguish between what different materials are made of and can apply while working on it.	Critical thinking, curiosity development	Students will understand the need of classification of materials and how the knowledge of its properties helped in manufacturing processes	To study the action of certain metals on salt solutions and arrange them in the order of their reactivity		Assignment ,Lab activity
4. Carbon and its compounds	6	Importance of the carbon element, Covalent bond, Homologous Series and functional groups, Alcohols	Diksha App, Review and research papers	Students knows the basic ideas about atoms and compounds	Students will be asked to find out What all is made of carbon.	Chemical Substances - Nature and Behavior-all about carbon	· The student will be able to: · diagrammatically explain electrolytic	The student would to · explain the of common metal life · explain the involved in preventing of iron ·	To make a network for their institution	Productivity and Innovation, Creativity, Art integration,	They will study how soap and detergent works as a			Project-Soap Making, TP, Lab work

		and carboxylic acids, Soap and detergents					refining of copper · understand and explain corrosion of metals · learn various alloys and their uses · explain the versatile nature of carbon · describe catenation and tetravalency · explain covalent bonding · explain versatile nature of carbon · differentiate between saturated and unsaturated compounds · state properties of covalent compounds · name carbon compounds according to IUPAC system · write electron-dot structures of organic compounds · · write electron-dot structures of organic compounds	the reason for the formation of a large number of carbon compounds · explain difference between ionic and covalent bonding · recall the meaning of saturated and unsaturated compounds · draw structural formulae of organic compounds · cyclic compounds · their electron dot structures · recall properties of covalent compounds · IUPAC names to organic compounds.	n or home.	Flexibility and Adaptability	cleansing agent			
8. How do organisms Reproduce?	10	Types of reproduction, Reproduction In plants vs animals Sexual reproduction secondary sexual characters,	Diksha App, research and review papers	Students knows the basic idea about reproduction in animals.	Students will be asked to read about how multicellular organism begin their life from a single cell as well to recall about reproduction in plants.	The world of living- Development of baby	The students will be able to: · know the significance of reproduction in all living beings · Express the mode of reproduction by single organism · know the importance of sexual reproduction · generation of variations. · Understand the process of reproduction in plants and human · understand the process of reproduction in plants and human	Students will be able to learn basic ideas about the process of reproduction in human and in animals	Critical thinking, curiosity development, effective communication.	Creating scientific awareness	They will understand basic biological processes and acts scientifically	Conducting awareness classes.		Group Discussion, Draw diagrams of reproductive structures of plants and animals

							understand the importance of contraception in controlling population Enable the students to: · understand the role of reproduction in perpetuation of life · discuss the role of DNA and importance of variation in reproduction · differentiate between asexual and sexual reproduction · explain the basic steps of sexual reproduction · establish the relation between embryo and placenta · understand the role of contraceptives in population controls.							
9.Heridity and evolution	6	Diksha App, research and review papers	Heredity Variation Mendel's Laws	Students will be asked to observe people and how there are difference in the color of eyes, shape of ear etc.	Heredity and variation. Law of dominance Law of independent assortment.	Enable the students to understand the basis of variation and inheritance.	Students will understand the basis for variation in surroundings	To adapt to the surroundings	Critical thinking, curiosity development, effective communication.	Creating scientific awareness	They will understand basic biological processes and acts scientifically	Conducting awareness classes.		Discussion,TP
12.Electricity	7	Electric Current Electric circuit Conductors and insulators Ohms law Combination of resistances Heating effect	Diksha App Research papers, review blogs. https://www.askiitians.com	Students know basic ideas about electricity	Students will be asked to observe the working of various electrical appliances under adult surveillance. Students will be asked to think of a day without electricity. Students will be asked to draw the basic electric circuit in some of the appliances in	How things work electric current and circuits. Precautions while using electrical appliances.	Comprehend the components of an electric circuit • Understand the working of a dry cell • Comprehend the working of an electric circuit • understand the working of a torch . To explain factors on which resistance of a conductor depends and	Differentiate electrical conductors and insulators on the basis of their properties, structure and Functions. Students will be able to apply their scientific learning in understanding basic electric circuits.	Students will be able to understand How careful they should be while using electrical appliances and will	Critical thinking curiosity development	To save energy.	To experimentally check Ohm's law To experimentally check the dependency of resistance on different factors		Suvey, Numerical problems, Lab work

					home to understand the components.		resistivity of conductor, insulator, semiconductor and alloy	applies scientific daily life and solve problems, derive equations, and lay equivalent resistors in series etc.	learn to save energy.					
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HALF YEARLY EXAMINATION (Lessons - 2, 3, 8, 9 &12)

4. Carbon and its compounds (Continuation)	4	Importance of the carbon element, Covalent bond, Homologous Series and functional groups, Alcohols and carboxylic acids, Soap and detergents	Diksha App, Review and research papers	Students knows the basic ideas about atoms and compounds	Students will be asked to find out What all is made of carbon.	Chemical Substances - Nature and Behavior-all about carbon	. The student will be able to: · diagrammatically explain electrolytic refining of copper · understand and explain corrosion of metals · learn various alloys and their uses · explain the versatile nature of carbon · describe catenation and tetravalency · explain covalent bonding · explain versatile nature of carbon · differentiate between saturated and unsaturated compounds · state properties of covalent compounds · name carbon compounds according to IUPAC system · write electron-dot structures of organic compounds · write electron-dot	The student would · explain the corrosion of common metals involved in preventing rusting of iron · understand the reason for the use of a large number of compounds · explain difference between covalent bonding meaning of saturated and unsaturated compounds · draw structural formulae of organic compounds cyclic compounds · electron dot structures · recall properties of compounds · give names to organic compounds.	To understand the role of carbon in daily life	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will understand how people depend on carbon for fuel, energy etc.	Group Activity: Activity to find distinguish carboxylic acids.	I N D I V I D U A L P R O J E C T	Lab activity, Work sheet
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							structures of organic compounds							
13.Magnetic Effect of Electric Current	6	Magnetic field and magnetic field lines, force on a current carrying conductor in a magnetic field Working of electric motor, electro-magnetic induction	Diksha App, Review and research papers	Students knows the basic ideas about magnet and magnetism	Students will be asked to find out the properties of magnets and would be asked to make electro - magnets	How things work-magnetic effect of current	To draw magnetic field line with the help of magnetic compass	relates processes and phenomena with causes and effects, such as, deflection of compass needle due to magnetic effect of electric current, etc draws labelled diagrams like magnetic field lines		Critical thinking, curiosity development		To draw magnetic field line with the help of magnetic compass		TP, Worksheet,Lab activity
15. Our Environment	4	Concept living or nonliving characteristics, habitat biotic, abiotic Energy law, Food chain Food web	Diksha App Research papers, review paper and blogs.	Students knows the ideas about living things and nonliving things around us.	Students will be asked to look around them and classify things into living and non-living things. They will be asked about the criteria they chose for the classification as well. Food chain and web 10% energy law, Biomagnification	The world of the living things around.	Distinguish between living and non organisms based on life processes Differentiate between the terrestrial & aquatic habitats based on their factors. Summarize the key features of living organisms that contribute their survival in their habitats.	Relates processes and phenomenon with causes, e.g., adaptations of animals and plants with their habitats. Differentiates materials and organisms based on their properties.	Students will be able to understand the features of living organisms. The importance and need of various biotic and abiotic components in the ecosystem.	Critical Thinking Initiative and self-direction, creativity curiosity development	They will be able to appreciate and understand the interconnected ecosystem and how important it is to maintain them.	Activity- To understand biomagnification and understand the food transfer in organisms.		Discussion,Home assignment
7. Control and coordination	5	Animal nervous system, reflex actions, Human brain, Coordination in plants, Hormones in animals	Diksha App Research papers, review paper and blogs.	Students knows coordination in plants and animals	Students understand the communication between CNS and parts of the body.	Defines reflex action tropic and nastic movements	Identifies the different parts of the brain and different types of nerves based on structure and feedback mechanism endocrine system life.	Acquires knowledge about structure and function of nervous system in animals and co-ordination in plants.	Students will be able to understand CNS and their functions .	Critical thinking Creativity and Curiosity.	Students will be able to understand CNS.	Creating concept maps of brain by creating stems from each of the components to their parts and functions.		Seminar ,quiz ,Lab activity
16. Management Of natural Resources.		ASSIGNMENT	TOPIC											

HALF YEARLY EXAMINATION (Lessons - 2, 3 ,8, 9 & 12)

PERIODIC ASSESSMENT – III (Lessons 4, 13, 15)

MID TERM EXAMINATIONS 1 & 2

PRE- BOARD 1 & 2

BOARD EXAMINATION 1

SUBJECT: SOCIAL SCIENCE

CHAPTER AND NUMBER	Number of periods	Key concept	Resources	Prior knowledge	Extended Learning	Sub Theme	Learning Objective	Learning Outcome	Competency based Learning	21 st Skill	Ethics and Values	Subject Enrichment	Multiple assessment	Evaluation
1 Resources and Development (GEO)	5	*Types and conservation	https://cbse.online/class-10/	Natural and human made	Conservation of resources	Various types	*Helps to understand types of resources	*Conservation methods	Sustainable development	Awareness	Respect	Map work	Observation	Oral TP
2 Development (ECO)	5	*Economic status of Various countries	https://cbse.online/class-10/	*per capita income and national income	Classification of countries	Economic prosperity	*To realise the Criteria for the classification of countries	*Different sectors	Assess the changes happening in the field of economy	Awareness	Integrity	Text book exercises	Individual data collection	Class TP
3 Power Sharing (POL)	4	*Division of power	https://cbse.online/	*Local self government	Power sharing in India	Power sharing arrangement in Belgium	*Learn about features of Belgium model	*Positive aspects of sharing of power	Judge the way of power sharing in India	Identification	Respect		Write a brief description about local self government	assignment
4 The rise of nationalism in Europe(HIS)	10	* Unification of Germany	https://www.learnbase.in	Condition in India	*Rise of nationalism	Condition in Germany	* To know about Changes happened in Europe	*Able to identify changes	Comparison between European and Indian way to get freedom	Identification	Appreciation			Class TP
5. Water resources (GEO)	5	Water scarcity and the need for water conservation	https://www.learnbase.in	Water resource management	Importance of water	Multipurpose river projects	*develop awareness towards water conservation	Understand the importance of water as a resource	Conservation of water resources	Awareness		Map work	Individual project on Rainwater Harvesting	TP
6 Federalism (POL)	6	Sharing of power in India	https://cbse.online/class-10/	Different levels of government	importance of power sharing arrangement	Forms of power sharing	*features of decentralisation of power	*Will be able to know the features of federalism	Assess the role of each levels of	Awareness	Integrity	Prepare a mind map		Class TP

									governme nt					
7 Sectors of Indian Economy (ECO)	6	Various activities of the people in India	https://cbse.online/lass-10	Different occupations	Evaluate the share of each sector	Primary , secondary and service sector	*Contribution to GDP	*Importance to service sector	Features of each sectors of economy	Identification	Appreciation			Oral TP
8 Nationalism in India (HIS)	5	Role of INC to get our independence	https://www.learncbse.in	National movements for freedom	Role of freedom fighters	Indian National Congress and its activities for freedom	*Able to study importance of Gandhian ideologies	*Importance of various movements	Role of freedom fighters	Identification	Kindness	Map work		Class TP

PERIODIC ASSESSMENT -1 (Lessons - 1 -8)

9 Forest and Wildlife (GEO)	5	Conservation of forest in India	https://www.learncbse.in	Importance of forest in society	Types and distribution of forests	Community and conservation	Ability to understand how forest and economy of a country interrelated	Understands the importance of conservation	Conservation methods	Awareness	Respect			Text work
10 Money and Credit (ECO)	5	Types of credit in India	https://www.learncbse.in	Formal and informal credit system	Evaluate the merits and demerits of credits in India	Importance of Self Help Group	*To define various Medium of exchange	*Recognise different credit system	Assess the role of credit system in economy	Identification	Appreciation		Project on Consumer Awareness	
11 Gender , religion caste (POL)	7	Caste and politics	https://cbse.online/lass-10/	Gender discrimination	Gender equality	Secular state	To know the factors responsible for gender inequality in India	Assess the role of feminist movement	Evaluate the policies made by government		Co operation			Oral tp
12. Making of a global world (HIS)	9	Pre modern world	https://cbse.online/lass-10/	Meaning of globalisation	Implication of globalisation on local economy	Rebuilding of world economy-post war era	Analyse the implication of globalisation	Recognise the condition of inter war economy	Evaluate the impact of war on world economy	Identification	Sharing			Class TP
13. Agriculture	4	Types of cultivation	https://www.learncbse.in	Importance of agriculture	Role of agriculture in our economy	Types of agriculture	*types of cultivation	*Cropping seasons	Assess the contribution of agriculture to our economy	Awareness	Respect	Map work	Art Integrated project	
14. Political Parties (P)	5	Functions of political parties	https://www.learncbse.in	Multiparty system	Role of political parties in Indian politics	Challenges of parties	*Policies and programmes	* Learn to reform political parties	Comparison of party system in different countries	Awareness	Appreciation	Seminar		Class TP
15. Globalisation and the Indian Economy	5	Multi National Companies	https://www.learncbse.in	International companies	Role of International companies on economy	Liberalisation	*Importance in solving problems related to foreign trade	*Positive and negative aspects	Asses the role of MNC in our economy	Awareness	Appreciation			Oral TP

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16. The Age of Industrialisation	6	Impact of Industrialisation	https://www.learncbse.in	The meaning of Industrialisation	Process of Industrialisation and its impact on labour class	Paculiarities of Industrial growth	Familiarise with proto to industrial phase	Enable them to understand industrialization in the colonies with reference to Textile industries.	Role of market for goods	Awareness	Identification			TP

HALF YEARLY EXAMINATION (Lessons - 1 -16)

17. Print , culture and the modern world	5	The print revolution and its impact	https://www.learncbse.in	Knowledge about hand written works	Development of creativity	India and the world of print	To study the evolution of print in India	Assess the role of media	Impact of media on the society	Awareness	Appreciation			Class TP
18. Minerals and energy resources	6	Conservation of minerals and energy resources	https://www.learncbse.in	The meaning of minerals ,knowledge about conventional and non conventional minerals	Mode of occurrences of minerals	Classification of minerals	Identify different types of minerals and energy resources and places of their availability.	Feel the need for the judicious utilization of minerals	Importance of conservation of minerals	Appreciation of diversity	Awareness about conservation of minerals	Map work		Textbook activity
19. Manufacturing Industries (G)	6	Importance of Manufacturing	https://www.learncbse.in	Sectors of economy	Contribution of industry to National economy	Classification of Industries	*Importance in economy *Different laws	* Analyse various industries	Role of Industries in the development of a country	Awareness	Respect	Map work		Class TP
20. Life Lines of National Economy (G)	5	Transport system	https://www.learncbse.in	Means of transport	Evaluate the role of transport system in the economic development	Globalisation	*Learn about means of transport	*Able to realise its contribution to national economy	Problems facing by our means of transport	Identification	Appreciation	Map work		Oral TP
21. Outcomes of Democracy (P)	5	Merits of democracy	https://www.learncbse.in	Different forms of government	Importance of democracy	Positive and negative aspects	* Merits and demerits of democracy	* Comparison with other form of government	Evaluate the impact of democracy	Identification	Integrity			Class TP

PERIODIC ASSESSMENT - III All Chapters

SUBJECT: MATHEMATICS

Lesson Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
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									Learning					
1.Real Numbers	5	To study more on real numbers, its standard form and the fundamental theorem of arithmetic	https://ncert.nic.in/	They have learnt real numbers, decimals, basics of rational numbers	Let the children to solve problems on daily life situations	Irrational numbers, real numbers and their decimal expansions.	Understand the properties of operations on real numbers	Learn how to perform operations on real numbers	Make use of rational and irrational numbers for their future studies.	Productivity and Innovation, Creativity, Flexibility and Adaptability	Organization of the real number system and its properties will be neatly understood by the children.	Activity/Project: Activity to find meeting time of two people using the concept	Individual Project	Assessment test
2.Polynomials	4	To study the concept of polynomials in detail.	https://ncert.nic.in/	Familiar with factorisation and algebraic identities	Make the children to have detailed study of polynomials in one variable	Zeros of a polynomial, its coefficients, division algorithm	Explore the previous knowledge about polynomials, algebraic expressions and its terms	Study to use algebraic identities in factorisation and in evaluating expressions	Makes use of division algorithm for their future studies	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	Polynomials will be neatly understood by the children.	Group Activity: Prepare a chart on identities		Quiz competition
3.Pair of Linear Equations in Two variables	4	To introduce various methods to solve linear equations	https://ncert.nic.in/	They are familiar with linear equations in one variable	Make the children to recall the knowledge of simple linear equations and how to solve them	Solution of a linear equation, graphical method, algebraic method	Learn to formulate linear equation to solve problems	Study to apply simple equations to solve real life problems	Make use of linear equations to find age, price, angles etc.	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	How to use a linear equation to find an unknown quantity will be studied.	Activity/Project: Activity on daily life problems		Performance Assessment
4. Quadratic Equations	6	To study various methods to solve Quadratic equations	https://ncert.nic.in/	They are familiar with linear equations, factorisation	Let the students refresh the knowledge of linear equations and how to solve them	Solution of a quadratic equation, Factorisation, Completing the square	Learn to formulate Quadratic equations to solve problems	Study to apply simple equations to solve real life problems	Make use of quadratic equations to find area, speed, sides of a rectangle etc	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	How to use a quadratic equation to find an unknown quantity will be studied.	Activity/Project: Activity on daily life problems		Textbook exercise

PERIODIC ASSESSMENT – I (Lessons 1, 2, 3 & 4)

5. Arithmetic progressions	5	To introduce a particular pattern of numbers Arithmetic progressions	https://ncert.nic.in/	They are familiar with patterns and various sequences of numbers	Make the children to understand the concept by using various real life examples like increment in salary, decrease in savings etc	n^{th} term of an A.P, Sum of n terms of an A.P	Analysis of the formulae and comparing it with direct solution	Learning the concept in detail	Making use of it in various situations	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability, Problem Solving, Critical thinking	They will study and will be able to find its application in future studies	Group Activity: Activity to find total production in a company		Assessment test
6.Triangles	4	To study the Properties of triangles based on their angles and sides.	https://ncert.nic.in/	They are familiar with various elements of triangles and its congruence	Make the children to study the difference between congruence and similarity of triangles	Concept of congruence, Similarity, area, Pythagoras theorem	To understand the idea of triangles, its types and properties	Find areas of similar triangles	Learn to relate the knowledge of finding unknown sides of a right triangle using pythagoras theorem	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	By understanding the concept, children will be able to find unknown sides of a right triangle	Activity/Project: To find the area of the given figure using the learnt concept	Art Integrated Project	

7.Coordinate Geometry	5	To study about Cartesian system and points in a plane	https://ncert.nic.in/	They are familiar with line, line segment and points in a plane	Make the children to understand the concept of coordinate geometry	Distance formula, section formula, area of a triangle, Graphs of linear equations	Analysis of Section formula and distance formula	Understanding quadrants and axes, points in plane	Making use of the concept to locate point on a plane and to find distance between them	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability, Problem Solving, Critical thinking	They will study and will be able to find its application in finding distance and area	Group Activity: Prepare a chart on various quadrants		Short investigation
8. Introduction To Trigonometry	4	To study about trigonometry In detail	https://ncert.nic.in/	They are familiar with right triangles, Angles and ratios	Make the children to know in detail about trigonometric Ratios and identities	Trigonometric Ratios of some specific angles and Complementary angles, relationships between ratios	To understand the idea of trigonometry	Finds its Applications In finding Heights and Distances	Learn to relate the knowledge of finding unknown angles and sides with daily life objects.	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	By understanding the concept, children will be able to find unknown angles and sides	Activity/ Project: To prepare a chart on trigonometric ratios		Assessment

HALF YEARLY EXAMINATION (Lessons - 5, 6 &7)

9. Some Applications Of trigonometry	5	To solve problems in Heights and distances	https://ncert.nic.in/	They have learnt the concept of Trigonometric ratios	Make the children to find the heights Of buildings, tower etc	Line of sight, Angle of Depression, Horizontal level	To understand the idea of trigonometric ratios and its applications	Calculates The height of a given figure	Learn to apply the concept in real life	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	They will study to apply the knowledge In various situations of real life	Group Activity: Find the height of a tower using the concept.		Performance Assessment
12..Areas Related to circles	5	To solve problems involving area Of a circle	https://ncert.nic.in/	They have learnt the concept of area and perimeter	Make the children to find the area of a circle using the formula	Area of sector, segment, combinations Of plane figures	To understand the idea of area and perimeter and formulae to find it	Calculates area of a combination of plane figures	Learn to apply the concept in real life	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	They will study to apply the knowledge In various situations of real life	Group Activity: Find the area of given figure		Test paper

PERIODIC ASSESSMENT – III (Chapters - 8, 9 & 12)

13. Surface Area and volume	5	To study the concept of surface area and volume Of a combination of solids	https://ncert.nic.in/	They are familiar with two dimensional and three dimensional shapes	Let the children know the difference between 2D & 3D shapes and volume & capacity	Volume and surface area of cube, cuboid, cylinder, surface area of a hollow cylinder and its combinations	To find surface area and volume of given 3D figures	Explains Volume and Surface area In detail	Learn to relate the knowledge of surface area and volume with daily life objects.	Productivity and Innovation, Creativity, integration, Flexibility and Adaptability	By understanding the concept, children will be able to find area, volume and dimensions	Activity/ Project: To find the area and volume of a given Combination of solids		Assessment test
14. Statistics	5	To study the basic data handling techniques	https://ncert.nic.in/	Mean, median and mode of Grouped data	Try to apply the knowledge to organize data using tables	Pictograph, Bar Graph, Data organizations, Frequency table, Mean, Median, Mode, cumulative Frequency distribution	Learn to use tables and graphs	Learn to arrange information systematically in the form of tables or graphs	Observing outcomes of events, Conducting surveys	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will study to present the data neatly and meaningfully.	Activity/ Project: Activity on Cumulative Frequency Distribution and to interpret them	Integrated Project	
15. Probability	6	To understand the meaning and concept of chance	https://ncert.nic.in/	Idea on possible and impossible events, surety of occurrence of an event	Try to understand the difference between chance and probability	Random experiment, possible outcomes, favorable outcomes	Learn to find the probability of simple events	Learn to Define Probability	Comparing the results of Experimental And theoretical probability	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	They will study the chance of occurrence of an event	Activity/ Project: Examine the probability of tossing a fair coin and dice		Performance Assessment

ANNUAL EXAMINATION (Lessons - 13, 14 &15)

SUBJECT: INFORMATION TECHNOLOGY

Chapter Number and Name	No. of Periods	Key Concept	Resources	Prior Knowledge	Extended Learning	Sub-themes	Learning Objective	Learning Outcome	Competency based Learning	21 st Century Skills	Ethics and Values	Subject Enrichment	Multiple Assessment	Evaluation
1. Communication Skills - II	4	To study how a communication should be to make it effective.	www.corporatefinanceinstitute.com	They are familiar with verbal and non verbal communications .	Understanding the rules for communication, the students will do only effective communication.	Communication Skills- Cycle, 7c's, SWOT analysis, Phrases.	Demonstrate the knowledge of communication.	Communication skills get understood.	Make an effective communication cycle in the class by verbal or non verbal communication.	Productivity and Innovation, Creativity, Art integration, Flexibility and Adaptability	Communication in an effective way will be implemented in life.	Group Activity: List do's and don'ts of communication.	Individual project	Group Discussion
2. Self management skills-II	4	Tells the students about how to manage one self.	www.youthemployment.org.uk	They met with counseling and trainings for the topic "self management".	They will be able to manage the situations in daily life.	Stress management- Methods, overcoming the stress.	Identify the importance of self management.	Learn to manage oneself.	Give some situations of stress and tell them how they will overcome the	Productivity and Innovation, Creativity, Art integration, Flexibility and	They will study to handle the situations neatly.	Individual Activity: Take seminars on the topics given and submit the report.		Questionnaire

System				backups.	advantages of using a folder in a pen drive or a CD over paper files and folders. And then tell the advantage of DBMS over the pen drive.	Advantages, Using the MS Access.			class including admission number, roll number, name, address, personal details, and academic details of each student.	Innovation, Creativity, Flexibility and Adaptability	the benefits of arranging the data in Data bases and they will keep their own files neatly and efficiently.	Prepare your class DB and club DB including the necessary details.		
9. Web Security and Workplace Safety	5	To study the concept of how the data is passed over internet and other internet activities. Also how we can efficiently deal with any workplace accidents	www.cisecurity.org www.nsc.org	They are using internet. They know about first aids.	They will study how to create blog and journal which are most popular today. They will also learn more on how to work safely and what they can do when they met with an accident.	OSI model-Layers. Wired and wireless connection with examples. Blog and Journal. Workplace safety measures	Learn about t Safe working Internet and detailing on workplace safety.	Detailed stud on connecting to the internet Learning abo the minimum we should do we met with accident.	Make the students to create a personal blogs. Adjust and do the necessary things when they encountered with any workplace issues.	Productivity and Innovation, Creativity, Flexibility and Adaptability	They will study to appreciate others using online means of Communication. They will also save time for the Communication.	Lab Activity/ Project: Create a blog for the class.	Individual project	Group Discussion, Questionnaire

PERIODIC ASSESSMENT – III (Lessons - 1 to 9)

PRE BOARD I (Lessons - 1 to 9)

PRE BOARD II (Lessons - 1 to 9)

ANNUAL EXAMINATION (Lessons - 1 to 9)