

# STD VI - CURRICULUM 2016- 17

## ENGLISH

MONTH	LITERATURE	OBJECTIVES & VALUES	ACTIVITIES
June	<b>MAIN READER</b>		
	1. The cranky Macaw	•Animal- Human bonding	➤Chart busters
	2. Trees ( Poems)	•Love of nature	(Chapter -1) Page :7
	<b>SUPP. READER</b>		
	1. Where Stories come from		
	<b>GRAMMAR</b>		
	•Kinds Of Sentences		
	•Subject and Predicate		
	Phrases and Clauses		
	•Phrasal Verbs		
	<b>WRITING</b>		
	•Descriptive essay writing		
	•CCE worksheet:1A – 1F		
	<b>ASL</b>		
	•Seeking and giving information		
	•Making comparisons		
July	<b>MAIN READER</b>	•Not being over ambitious	➤Role play(Chapter - 4)
	3.A wise Lesson	•Awareness about the	Page No : 49
	4. The story of River Ganga	Pollution	
	<b>SUPP. READER</b>		
	2. Little girls wiser than men		
	<b>GRAMMAR.</b>		
	•Kinds of nouns		
	•Noun: Number& Gender		
	•Idioms		

## WRITING

- Formal letter
- CCE Worksheet : 1g – 1j

## ASL

- Asking about past actions

## FA1 Exam Portions – MAIN READER 1, 2, 3, 4 SUPPLEMENTARY READER : 2 GRAMMAR : ALL

Aug	<b>MAIN READER</b> 5.	• Dutifulness·	➤ Comprehension based
	5. The old Gumbie cat(Poem)	• Realizing one's special	worksheet
	6. What the birds said	gifts and making use	(Chapters-3) Page : 35
	7. The Raven and the Fox(Poem)	of them	

## SUPP. READER

3. Hope
4. Blue Beard

## GRAMMAR

- Kinds of verbs
- Subject-verb agreement
- Tenses
- Proverbs

## WRITING

- Précis Writing
- CCE worksheet:2A – 2E

## ASL

- Talking about continuing actions
- Describing states
- Feelings & Emotions

## FA 2 Exam Portions– MAIN READER- L:5,6,7 SUPPLEMENTARY –L:3

## GRAMMAR - ALL

Sep

**MAIN READER**

8. Candy Jane and professor  
Boogle

**GRAMMAR**

- Active and Passive voice
  - Nationalities
  - Multicultural awareness
  - Inquisitiveness
- Multidisciplinary project(Chapters -6)

**WRITING**

- Writing a biography
- CCE worksheet : 3A – 3E

Page : 63

**ASL**

- Enquiring about experiences

**SA1 Exam- - 3,4,6,7,8 SUPPLEMENTARY 1, 3 GRAMMAR: ALL**

Oct

**MAIN READER**

9. self-contained(poem)  
10. The Red room

- Self-satisfaction
- Logic over fear and superstition

➤ MCQ Based worksheet  
(Chapters -1) Page :3

**SUPPLEMENTARY**

5. Your religion is your religion

**GRAMMAR**

- Pronouns
- Kinds of adjectives
- Degrees of comparison
- Collective nouns

**WRITING**

- Dialogue writing
- CCE worksheet:4A-4E

**ASL**

- Describing habits in the past
- Expressing appreciation and other Emotions

Nov

**MAIN READER**

- Independent-

➤ Multidisciplinary Project

11. Life(Poem)

• Awareness about

(Chapter -6) Page No :65

12. Save the Children

Child labour

### **SUPPLEMENTARY READER**

6.I am the people the mob

### **GRAMMAR**

- Kinds of Adverbs
- Determiners

### **WRITING**

- CCE Worksheet:5A – 5B , 6A – 6C

### **ASL**

- Expressing Imaginary Conditions

**FA3 Exam Portions – MAIN READER: 9, 10, 12 SUPPLEMENTARY : 6**

### **GRAMMAR : ALL**

Dec

### **MAIN READER**

• Entertainment

13. The circus (Poem)

• Vanity

14. The Necklace

### **SUPPLEMENTARY**

7. once there was a king

### **GRAMMAR**

- Prepositions
- Conjunctions
- Interjections
- Direct and Indirect speech

### **WRITING**

- E-mail
- CCE worksheet : 6D – 6F

### **ASL**

- Expressing obligation

Jan

### **MAIN READER**

• Sharing experiences

➤ Role Play

15. Come out with me

• Generosity

(Chapter-6) Page No:59

16. The gifts of Wali Dad

**SUPPLEMENTARY**

8. The child's story

**GRAMMAR**

- Punctuation
- Word formation

**WRITING**

- Writing a speech
- CCE worksheet :7A – 7D

**ASL**

- Expressing necessity and obligation.

**FA4 Exam Portions-MAINREADER - 13,14,15SUPPLEMENTARY L: 8**

**GRAMMAR: ALL**

Feb

**MAINREADER**

➤Poetry comprehension

Revision

based worksheet

**SUPPLEMENTARY**

(Chapter -7) Page :71

9. Peddler Polly

**GRAMMAR**

- One word substitution

**WRITING**

- CCE worksheet : 7E -7G

**ASL**

- Making polite requests

Mar

**REVISION**

**SA2 Exam Portions: MAINREADER - L:10,11,12,14,16 SUPPLEMENTARY L: 5,7,9**

**GRAMMAR : ALL**

## HINDI

जून	L. 1. प्रार्थना	एकता की भावना	संज्ञा	मातृभूमि की
दो	आपस में लड़ने से नुकसान	लिंग -पुलिंग	विशेषताएँ बताने	L. 2. बंदर और
होता है।	स्त्रीलिंग	ढूँढिए और कक्षा में	वाली कविताएँ	बिल्लियाँ
सुनाइए।				
जुलाई	L. 3. दाँतों की सफाई	दाँतों को साफ रखना ज़रूरी है।	अनुवाद	हरित क्रांति इस
	L. 4. प्रकृति संदेश	प्रकृति हमें संयम, आशा, प्रगति	विशेषण	विषय पर अनुच्छेद
		एवं व्यापकता का संदेश		लिखिए तथा
		देती है।		परियोजना कार्य
		FA1 - L. 1, 2		बनाइए
अगस्त	L. 5. निराली दीपावली	परोपकार	काल और	संवाद लेखन
			प्रकार	(दीपावली)
	L. 6. आज़ादी का सुख	स्वतंत्रता	काल और	Multi disciplinary
			प्रकार	project
		FA2 - L. 3,4		
सितंबर	L. 7. इनसे सीखो	महान लोगों के जीवन	वचन	
	L. 8. फूल और काँटा	अच्छा और बुरा	वाक्य	
	SA1 - L: 5, 6, 7			
अक्टूबर	L.9 ईश्वर जो करता है	ईश्वर की रचना के महत्व	उपसर्ग	10 फल और उनसे
	अच्छा ही करता है।			मिलन वाले
				विटामिनों के नाम
				लिखिए।
नवंबर	L. 10. तेनालिराम	विवेकशील एवं चतुरता का गुण	क्रिया	
	L. 11 नन्हा कबूतर	हमारे आस-पास रहने वाले जीवों		Integrated
		तथा पक्षियों के बारे में।	क्रिया	Project
		FA3 - L: 8, 9		
दिसंबर	L. 12. घमंडी का सिर	हमेशा नम्र रहो	प्रत्यय	बीरबल की खिचटी
	नीचा			
	L. 13. कन्याकुमारी	‘कन्याकुमारी’ के बारे में	एकशब्द	कहानी अपने शब्दों
				में लिखिए
जनवरी	L. 15. स्वतंत्रता के	गाँधीजी के बारे में	उपसर्ग	स्वतंत्रता संग्राम
	अग्रदूत गाँधी			में भाग लेने

	L. 17. जुगनु	जीवन से अंधकार को दूर करना	अनुस्वार - अनुनासिक	वाले महानों के चित्र काटकर नाम लिखकर दो वाक्य लिखिए
			FA4 L : 10, 11	
फरवरी	L. 17. फिर क्या हुआ		गिनती	
	L. 18. श्रम का महत्व	श्रम करनेवाला सदा स्वस्थ एवं चुस्त रहता है।	बेमेल शब्द	
मार्च	Revision	SA2 - 12, 13, 15, 16, 17, 18		

## MALAYALAM

### JUNE

1. മഴക്കാലം	കർഷകന്റെ സന്തോഷം	അലങ്കാരം: പ്രാചീന കവിത്രയത്തിലെ
2. അനശ്വരനായ കവി	മലയാളഭാഷയുടെ പിതാവായ എഴുത്തച്ഛനെ അടുത്തറിയുന്നു.	കവികളെക്കുറിച്ച് ഉപ- ന്യാസം തയ്യാറാക്കുക

### JULY

3. എന്റെ ഭാഷ	മലയാള ഭാഷയുടെ പ്രാധാന്യം സമാസം മനസ്സിലാക്കുന്നു	ഭാഷയുടെ പ്രാധാന്യം വ്യക്തമാക്കുന്ന പോസ്റ്റർ തയ്യാറാക്കുക
4. മേഘങ്ങളൊഴിഞ്ഞ ആകാശം	സഞ്ചാരസാഹിത്യം എന്നു സാഹിത്യവിഭാഗത്തെ അടുത്തറിയുന്നു	പ്രയോഗം

### FA1 Exam 1,2

### AUGUST

5. തത്തമ്മ	പക്ഷിമൃഗാദികളോടുള്ള സ്നേഹം അവയുടെ സാതന്ത്ര്യത്തിനു വിഘാതമാവരുത്	അംഗ- അംഗി വാക്യങ്ങൾ	മൾട്ടി ഡിസിപ്ലിനറി പ്രോജക്ട്
6. അബുകാസിമിന്റെ ചെരുപ്പ്	അറബിക്കഥകളെക്കുറിച്ചുള്ള അറിവു പകരുന്നതിന്		

### FA2 Exam 2,3

### SEPTEMBER

7. പൂമ്പാറ്റയോട്	പ്രകൃതി സൗന്ദര്യങ്ങളെക്കുറിച്ച് സന്ധി മനസ്സിലാക്കുന്നതിന്		
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### SA1 Exam -4,5,6,7

### OCTOBER

8. പ്രകാശത്തിന്റെ ലോകം	ലൂയി ബ്രെയ്ലിയെക്കുറിച്ചും ബ്രെയ്ൽ ലിപിയെക്കുറിച്ചും അറിയുന്നു.		
9. ഒരു താരാട്ട്	അമ്മയും കുഞ്ഞും തമ്മിലുള്ള ആത്മബന്ധം		

## NOVEMBER

- |                     |   |                           |                            |
|---------------------|---|---------------------------|----------------------------|
| 10. തേനുറുന്ന ഹൃദയം | പ്രകൃതിയെ സ്നേഹിക്കുക<br>ബേപ്പൂർ സുൽത്താനെ കുറിച്ച്<br>മനസ്സിലാക്കുന്നു | അംഗ-<br>അംഗി<br>വാക്യങ്ങൾ | ഇന്റഗ്രേറ്റഡ്<br>പ്രോജക്ട് |
|---------------------|---|---------------------------|----------------------------|

### FA3 Exam 8,9

## DECEMBER

- |                  |   |  |                            |
|------------------|---|--|----------------------------|
| 11. ദുരാഗ്രഹികൾ  | മനുഷ്യന്റെ മത്സര ബുദ്ധിയും<br>ദുരാഗ്രഹവും |  |                            |
| 12. കഥയും കഥകളും | മുത്തശ്ശിക്കഥകളോടുള്ള<br>താല്പര്യം        |  | പഞ്ചതന്ത്രകഥ<br>ശേഖരിക്കുക |

## JANUARY

- |               |                   |  |  |
|---------------|-------------------|--|--|
| 13. ഗ്രാമഭംഗി | പ്രകൃതി സൗന്ദര്യം |  |  |
|---------------|-------------------|--|--|

### FA4 Exam 10,11

## FEBRUARY

- |                         |  |  |  |
|-------------------------|--|--|--|
| 14. പിശാചിന്റെ കുപ്പായം | അമ്മയോടുള്ള സ്നേഹം                       |  |  |
| 15. മഴത്തുള്ളി          | പ്രകൃതി പ്രതിഭാസങ്ങളെ<br>തിരിച്ചറിയുന്നു |  |  |

## MARCH

Revision

### SA2 Exam - 12,13,14,15

## SOCIAL SCIENCE

MONTH	CHAPTERS	OBJECTIVES	ACTIVITIES
June	1. When where and how	•Difference between	➤MAP WORK
	•Pre – history and history	Pre-history and history.	➤Physical Map of India
	14. Earth in the Solar system	•To know about 8	
	•Planets and other celestial bodies	Planets and celestial bodies.	
	22. Diversity		
	•Diversity in family structure		
July	2. Sources of History	•Preservation of sources	➤CHART WORK
	•Primary and secondary sources		➤Solar system
	15. Globes and maps	•Difference between map and globes	
	•Types of maps		

### FA1 Portions : 1, 14, 22, 2, 15



Aug	3. The early societies	• Old stone age and new stone age	• Social and economic condition of people in Stone Age	➤ MULTIDISCIPLINARY PROJECT
	4. Harappan civilisation	• Earliest civilisations		➤ History- chapter 4 Page no:11
	16. Latitudes and Longitudes	• Characteristics of Latitudes		➤ SEMINAR Stone Age
	23. Prejudice and discrimination	• Effects and steps to reduce		

**FA2 Portions : 3, 4, 16, 23**

Sep	5. Different ways of Life	• Vedic and later- Vedic age	• Composition of 4 Vedas.	
	6. Janapadas and Mahajanapadas	• Political , Economic and Social life		
	17. Motions of the Earth	• Rotation and Revolution	• Effects of Rotation and revolution of Earth.	
	24. The Government	• Types of Government		
	25. Democratic Government	• People's participation	• Merits de-merits of various governments	

**SA1 Portions : 5, 6, 17, 24, 25**

Oct	New ideas: Upanishads, Jainism	• Causes of the rise of new Religions		➤ MULTIDISCIPLINARY PROJECT
	8. Mauryan Empire	• Asoka's Administration	• Contribution of Ashoka.	➤ Civics – Chapter 8 Page No:51
	18. The Realms of the Earth	• Three spheres of Earth	• Various spheres of Earth.	
Nov	26. Local government : Rural	• Importance of Local government	• Functions of Local bodies	➤ DEBATE ➤ New Inheritance Law

27. Local government : Urban

- Municipal corporations

**FA3 Portions : 7, 8, 18, 26, 27**

Dec	9. Life in Towns and villages	• Condition of Farmers	➤ POSTER DESIGN
	• Different classes of cultivators		➤ Deforestation
	10. India from 200 B.C to A.D 300		
	• Chera		
	• Chola		
	• Pandya		
Jan	19. Physiographical divisions	• Unity in Diversity.	➤ PROJECT
	• Geographical Unity of India	• Functions of Collector	Factors affecting climate
	20. Climate of India		
	• Factors affecting climate of India		
	28. Rural Administration		
	• Administration of a District		

**FA4 Portions : 9, 10, 19, 20, 28**

Feb	11. The Gupta dynasty	• Contribution of Ancient	
	• Golden Period of History	Indians	
	12. Harsha, Chalukya and Pallavas		
	• Harsha – The ruler		
	13. Art, Culture and Science		
	• Architecture and Sculpture		
Mar	21. India : vegetation and wildlife	• Steps to conserve Forests	
	• Types of forests in India		
	29. Making a Living in Villages		
	• Rural livelihood		
	30. Making a Living in Cities		
	• Livelihood in cities		

**SA2 Portions : 11, 12, 13, 21, 29, 30**

## INFORMATION TECHNOLOGY

MONTH	CHAPTERS	OBJECTIVES	LAB ACTIVITIES
June	1.Windows 7: Files, Folders and the Recycle Bin.	<ul style="list-style-type: none"> <li>➤To Know about Folders and Files and their applications.</li> <li>➤Creation</li> <li>➤Renaming</li> <li>➤Deleting</li> <li>➤Copying</li> <li>➤Moving</li> <li>➤To know the use of Recycle Bin.</li> <li>➤Restoring</li> </ul>	<ul style="list-style-type: none"> <li>•Make a Folder of Your name in D:\.</li> <li>•Within that folder, Create the following Folders named English, Mal and Hindi.</li> <li>•Rename Mal to Malayalam.</li> <li>•In the English Create Prose, Poetry Folders.</li> <li>•Copy Poetry Folder and Paste it to Malayalam.</li> <li>•Rename it as Kavithakal.</li> <li>•Open Hindi and create one file Named Akashar. Type Some Letters and save it.</li> <li>•Move Hindi Folder inside Malayalam.</li> <li>•Delete Malayalam.</li> <li>•Delete English.</li> <li>•Restore English From Recycle Bin.</li> <li>•Delete English Folder again.</li> <li>•Empty Recycle Bin.</li> </ul>
July	2.Windows 7: Listening and Viewing Audio and Video Files.	<ul style="list-style-type: none"> <li>➤Operate Windows Media Player.</li> </ul>	<ul style="list-style-type: none"> <li>•Open Windows Media player.</li> <li>•Play one song.</li> <li>•Use different buttons of Windows Media Player.</li> <li>•Next</li> <li>•Previous</li> <li>•Volume Control</li> <li>•Pause</li> <li>•Mute</li> <li>•Stop</li> </ul>

- Repeat
- Shuffle

### FA1 Chapters – 1, 2

July	3.Windows 7: Maintaining Your Operating System	<ul style="list-style-type: none"> <li>➤Organize your Hard Drive.</li> <li>➤Use of Anti Virus</li> <li>➤Use of Defragmentation.</li> </ul>	<ul style="list-style-type: none"> <li>•Perform a Disk Clean Up For D:\</li> <li>•Perform a Defragmentation of D:\</li> <li>•Perform Anti Virus Scan of Your Computer.</li> </ul>
Aug	4.M S Word: Creating a Word Document.	<ul style="list-style-type: none"> <li>➤Make students to create, edit format and save documents.</li> </ul>	<ul style="list-style-type: none"> <li>•Open Word and create one letter to your Friend about a Trip you attended.</li> <li>•Make Your Heading in Bold and Underline.</li> <li>•Content in Italic and Change font to “Times New Roman”. Font Size to “10” Font Color to “Blue”.</li> <li>•Draw one Formatting Window and Label Parts.</li> </ul>

### FA2 Chapters – 3, 4

#### SA1 Chapters – 2, 3, 4

Sep	5.M S Excel: Creating a New Workbook	<ul style="list-style-type: none"> <li>➤Students able to do Calculation.</li> </ul>	<ul style="list-style-type: none"> <li>• Open Microsoft Excel.</li> <li>• Open Microsoft PowerPoint.</li> <li>•Open Microsoft Access.</li> <li>•Open Microsoft Outlook.</li> <li>• And view the Characteristics of each Window.</li> </ul>
Oct	6.Ms PowerPoint: Introduction to Presentation Software.	<ul style="list-style-type: none"> <li>➤Students able to do Presentation themselves according to different themes</li> </ul>	<ul style="list-style-type: none"> <li>•Start Microsoft PowerPoint and Close the PowerPoint.</li> <li>•Open PowerPoint.</li> <li>•Study Parts of PowerPoint Window</li> <li>•Prepare one Presentation on Effects of Smoking.</li> </ul>
Nov	7.Internet: Working with Emails	<ul style="list-style-type: none"> <li>➤Basic about Internet.</li> </ul>	<ul style="list-style-type: none"> <li>•Open Internet Explorer/ Google Chrome</li> <li>•Create one Email ID and Send Message to your Friend.</li> </ul>

### FA3 Chapters – 5, 6, 7

Dec	8. Internet Chatting and Instant messaging	<ul style="list-style-type: none"> <li>➤ To understand chatting.</li> <li>➤ Chatting web sites.</li> </ul>	<ul style="list-style-type: none"> <li>● Show one Chat Website.</li> </ul>
Jan	9. Command Prompt: Using Command Prompt.	<ul style="list-style-type: none"> <li>➤ Basic Knowledge about CUI.</li> <li>➤ Basic Knowledge Its advantages.</li> <li>➤ Steps to open CUI.</li> </ul>	<ul style="list-style-type: none"> <li>● Open Command Window and Close Command Window.</li> </ul>

**FA4 Chapters – 8, 9**

Feb	10. Connecting to the Internet	<ul style="list-style-type: none"> <li>➤ Basic Commands of Command Prompt.</li> <li>➤ How it is used.</li> <li>➤ What is its use?</li> <li>➤ The procedure to write the commands.</li> </ul>	<ul style="list-style-type: none"> <li>● Do all Commands in command Prompt.</li> </ul>
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**SA2 Chapters – 6, 7, 9, 10**

**MATHEMATICS**

<b>MONTH</b>	<b>CHAPTERS</b>	<b>OBJECTIVES</b>	<b>ACTIVITY</b>
June	1. Knowing your numbers <ul style="list-style-type: none"> <li>▪ Place value</li> <li>▪ Reading and writing large numbers</li> <li>▪ Indian and international system</li> <li>▪ Estimation</li> </ul> 2. Whole Numbers <ul style="list-style-type: none"> <li>▪ Predecessor and successor</li> <li>▪ Whole numbers</li> <li>▪ Properties of whole numbers</li> <li>● Identifies prime and composite numbers</li> </ul>	<ul style="list-style-type: none"> <li>● Understands numbers</li> </ul>	<ul style="list-style-type: none"> <li>➤ Place value chart</li> </ul>

July

### 3. Playing with Numbers

- Factors and multiples
- Prime and composite numbers
- Test for divisibility
- Prime factors
- LCM
- HCF

• Identify Polygons

➤ Polygons

### 4. Basic Geometric ideas

- Points
- Lines
- Ray
- Polygon
- Angle
- Quadrilaterals
- Circles

• Understands basic geometric terms

## FA1 Chapters – 1, 2, 3, 4

Aug

### 5. Understanding Elementary shapes

- Measuring line measurements
- Right and straight angles
- Acute, obtuse, reflex angles
- Parallel lines
- Triangles
- Quadrilaterals
- Three dimensional shapes

• Understands elementary shapes

➤ Models of Number Line

### 6. Integers

- Integers
- Additions of integers
- Additions and subtraction on number line

• Identifies integers

## FA2 Chapters – 5, 6

Sept	7. Fractions	
	<ul style="list-style-type: none"><li>▪ Fraction</li><li>▪ Fraction on number line proper</li><li>▪ Improper and mixed fractions</li><li>▪ Equivalent fractions</li><li>▪ Like and unlike fraction</li><li>▪ Additions and subtraction of fraction</li></ul>	<ul style="list-style-type: none"><li>• To identify Numbers on Number Line</li></ul>

## SA1 Chapters – 1, 2, 3, 4, 5, 6, 7

Oct	8. Decimals	
	<ul style="list-style-type: none"><li>▪ Decimals</li><li>▪ Fractional as decimals</li><li>▪ Comparing decimals</li><li>▪ Addition and subtraction of decimals</li></ul>	<ul style="list-style-type: none"><li>• Identifies decimals</li></ul>
	9. Data handling	
	<ul style="list-style-type: none"><li>▪ Recording data</li><li>▪ Pictograph</li><li>▪ Bar graph</li></ul>	<ul style="list-style-type: none"><li>• Understands bar graph</li></ul> <p>➤ Model of Bar, Pictograph</p>
Nov	10. Mensuration Area and Perimeter of figures	<ul style="list-style-type: none"><li>• Solve problem</li></ul>
	<ul style="list-style-type: none"><li>▪ Perimeter and area of geometrical shape</li></ul>	

## FA3 Chapters – 8, 9, 10

Dec	11. Algebra	
	<ul style="list-style-type: none"><li>▪ Pattern</li><li>▪ Variables</li><li>▪ Rules of arithmetic equations</li></ul>	<ul style="list-style-type: none"><li>• Understands basic algebra</li></ul> <p>➤ Draw lines of symmetry of figures</p>

	12. Ratio and proportion, Unitary method	•Understands ratio and properties
	▪Comparing two Totem's	
Jan	13. Symmetry	
	▪Introduction	•Compares symmetry
	▪Figures with two lines of symmetry	with surrounding objects
	▪Reflection and geometry	

#### FA4 Chapters – 11, 12, 13

Feb	14. Practical Geometry	
	▪Circle	•Understands
	▪Line segment	
	▪Perpendicular angles	

Mar **Revision**

#### FA3 Chapters - 8, 9, 10, 11, 12, 13, 14

### SCIENCE

MONTH	CHAPTER	OBJECTIVE	ACTIVITY
June	1. Food : Where does it come from •Food variety •Food materials and resources •Plants and Animals as food	•Understand various types of plant and animal food	➤Work sheet You have to attempt all the 4 sections given below. Page No.3 & 4
June	2. Components of food •Nutrients in food functions •Balanced Diet •Deficiency Disease •Learn about the importance of food		➤Work Sheet Answer the questions given below. Page No.5 & 6

#### FA1 EXAM PORTIONS – 1, 2



July	4.Sorting materials in to groups •Object around us properties of materials	•Know about different type of substance	➤Paper pencil Test Page No. 19 & 20
	3. Fibre to Fabric •Variety of Fabrics process of making clothes	•Understand the different type of Fabrics	➤Remedial work sheet Page No. 15 & 16
	5. Separation of substance •Methods of separation solutions	➤Know about the Separation of solutions	➤Flow chart based work sheet Page No. 23 & 24
Aug	7. Getting to know Plants •Types of plants, parts of plants	➤Identifies different types of plants	➤Label the following parts in the given below. Page No.32

### **FA2 EXAM PORTIONS – 3, 4, 5, 7**

Sep	10. Motion and Measurement of distances •Measurement, units, Types of Motion	➤Understand the Motion, its Measurement and Unit	➤Check your knowledge. Page No. 49 &50
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### **SA1 EXAM PORTIONS – 1, 2, 3, 4, 5, 7, 10**

Oct	6. Changes around us •Different types of changes	➤Know about the changes	➤Investigative project Page No.29 & 30
	8.Body Movements •Human Body •Joints •Movements in Animals		➤Picture mystery Page No.37 & 38
Nov	9. The Living Organism and their surroundings •Habitat, Adaptation, Journey through diff. habitat, Characters of living things.	➤Learn more about living organisms	➤Understanding based work sheet Page No. 43 & 44
Nov	11.Light, Shadows and Reflections •Transparent •Opaque •Translucent objects •Pin hole camera	•Applies the knowledge about the properties of light	➤Remedial work sheet Page No.53 & 54

### **FA3 EXAM PORTIONS – 6, 8, 9, 11**

Dec 16. Garbage in and Garbage out • Understand how to deal with garbage ➤ Paper Pencil Test  
 • Dealing with Garbage, Page No.79 & 80  
 • Vermicompost  
 • Recycling of Paper

12. Electricity and Circuit • Learn about Electric Circuits ➤ 13. Paper Pencil Test  
 • Electric cell Page no.59 &60  
 • Electric circuit  
 • Conductors  
 • Insulators

Jan 14. Water  
 • Sources of Water • Identifies the importance of water ➤ Picture based work sheet  
 • Water cycle Page No.67 &68  
 • Clouds  
 • Flood Drought

**FA4 EXAM PORTIONS – 16, 12, 14**

Feb 13. Fun with Magnet • Discovery of Magnet • Magnetic and Non-  
 magnetic substance • Properties of Water • Identifies a magnet and its  
 properties • Retracts the fact Page No.65 &66

15. Air around us • Air • Components of Air  
 ➤ Understand more about air ➤ Diagram based work sheet Page No.75 &76

Mar **REVISION**

**SA2 EXAM PORTIONS - 6, 8, 9, 11, 12, 14, 16**

# STD VII - CURRICULUM 2016- 17

## ENGLISH

MONTH	LITERATURE	OBJECTIVES & VALUES	ACTIVITIES
June	<b>MAIN READER</b> 1. Casabianca (Poem) 2. Brave in life, Brave in Death 3. The Daffodils (Poem)	•Courage, fortitude •Bravery •Selflessness •Enjoying the beauty of nature	➤Paper – Pencil Test ➤(Chapter -1) Page :7
	<b>SUPPLEMENTARY READER</b> 1. Indian Weavers		
	<b>GRAMMAR</b> ▪Sentences ▪Phrases ▪Clauses		
	<b>WRITING</b> ▪Narrative essay ▪CCE worksheet:1A-1E		
	<b>ASL</b> ▪Describing things ▪Expressing purpose wishes and likes		
July	<b>MAIN READER</b> ▪The luncheon ▪Abou Ben Adhem (Poem)	•Embarrassment •Loving fellow human beings	➤Symposium (Chapter -4) Page:41
	<b>SUPPLEMENTARY READER</b> ▪A kind old mariner		
	<b>GRAMMAR</b> •Simple compound & complex •Nouns •Phrasal verbs		
	<b>WRITING</b> •CCE worksheet:1G-1F		
	<b>ASL</b> •Talking about actions completed in the past		

**FA1 EXAM PORTIONS-MAIN READER: 1,2,3,4SUPPLEMENTARY: 2**

**GRAMMAR- ALL**

Aug	<b>MAIN READER</b> 6. David begins a new life- I 7. David begins a new life-2	•Sensitivity to the misery of under privileged children	➤Tell me more Ch : 2 Page : 3
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**SUPPLEMENTARY READER**

3. The Merchant of Venice

**GRAMMAR**

- Nouns : Number
- Gender
- Verbs
- Idioms

**WRITING**

- Descriptive writing
- CCE worksheet:2A – 2E

**ASL**

- Expressing past and future ability
- Reporting commands and statements

**FA2 EXAM PORTIONS-MAIN READER -**

**5,6,7SUPPLEMENTARY READER - 3GRAMMAR : ALL**

Sep	<b>MAIN READER</b> 8. Ring out wild bells (Poem) 9.Rats on a train	•Discarding of the old and the evil	➤Multidisciplinary project (Chapter -6) Page No:61
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**SUPPLEMENTARY READER**

4. My heart soars

**GRAMMAR**

- Non-finite verbs
- Tenses

**WRITING**

- CCE worksheet:3A -3E

## ASL

- Describing people
- Objects and places

## SA1 EXAM PORTIONS - MAIN READER 3,6,7,8,9 SUPPLEMENTARY

### READER:1,4 GRAMMAR- ALL

Oct

#### MAIN READER

9. Stopping by woods on a snowy evening (Poem)

10. Palanquin bearers

•Being sportive

•Keeping promises and fulfilling obligations

➤Self-Analysis

(Chapter-6) Page No-65

#### SUPPLEMENTARY READER

5. The home coming

#### GRAMMAR

- Pronouns
- Adjectives
- Synonyms & antonyms

#### WRITING

- Notice writing
- CCE worksheet :4A – 4D

#### ASL

- Making vivid descriptions
- Asking for and giving information

Nov

#### MAIN READER

11. Too dear

12. The first Jasmines (Poem)

•Understanding

the idea of justice

➤Multidisciplinary Project

(Chapter -6) Page No:59

#### SUPPLEMENTARY READER

6. The quangle Wangle's hat

•Exploring memory

#### GRAMMAR

- Degrees of comparison
- Adverbs
- Prepositions

## WRITING

- CCE worksheet :5A – 5C,  
6A – 6D

## ASL

- Describing simultaneous actions

## FA 3 EXAM PORTIONS - 9,10,11,12 SUPPLEMENTARY READER : 6 GRAMMAR -ALL

Dec

### MAIN READER

- 13. Helen Keller
- 14. The wind on haunted hill

- Overcoming disabilities through will power
  - Friendship
- Research based project(Chapter -7)  
Page No :69

### SUPPLEMENTARY READER

- 7. Seven slaves

### GRAMMAR

- Conjunctions
- Interjections
- Similes

### WRITING

- Book review
- CCE worksheet:6E – 6G

### ASL

- Making logical deductions
- Expressing possibility

Jan

### MAIN READER

- 15. King Ahmak Shah
- 16. Brave dogs

- Use of reason
  - Animal bravery
- Survey(Chapter -6)  
Page No : 67

### SUPPLEMENTARY READER

- 8. The raven in the snow

### GRAMMAR

- Direct and indirect speech
- Punctuation

### WRITING

- CCE worksheet:7A – 7C.

### ASL

- Expressing agreement/disagreement

**FA4 Exam Portions – MAIN READER -13,15,16 SUPPLEMENTARY READER 8  
GRAMMAR - ALL**

Feb **MAIN READER**

(Revision)

**SUPPLEMENTARY READER**

9.The muddle head

**GRAMMAR**

▪Prefixes and suffixes

**WRITING**

▪CCE worksheet :7D – 7F

**SA2 Exam Portions – MAIN READER: 9,13,14,15,16**

**SUPPLEMENTARY READER - 5,7 GRAMMAR - ALL**

**HINDI**

जून	L. 1. हम सब समान	मिल जुलकर रहना	प्रत्यय	एकता की भावना जगाने वाली कविता
	L. 2. कंप्यूटर	कंप्यूटर-लाभ-हानी	उपसर्ग	
जुलाई	L. 3. वसंत पंचमी	वसंत ऋतु	और का प्रयोग	संगति से व्यक्ती अच्छा या बुरा बनता है - अनुच्छेद लिखिए
	L. 4. संगति का प्रभाव	अच्छा संगति बुरे मनुष्य को भी अच्छा बनाते है।	संज्ञा, वचन, लिंग और हैं का प्रयोग	
	FA1 - L.1, 2			
अगस्त	L. 6. शांतिनिकेतन	रवींद्रनाथ ठाकूर और विश्वभारती प्रकृति वर्णन	समुच्चयबोधक शब्द संज्ञा	संकेतों के आधार पर कहानी लिखिए Multi disciplinary project
	L. 10. शकुंतला			
		FA2 - L. 3 & 4		
सितंबर	L. 7. प्रदूषण	प्रदूषण की समस्या और रोकने का उपाय	उपसर्ग क्रिया विशेषण	
	L. 15. राष्ट्रगीत	भारत वर्ष का गौरव	शुद्ध रूप	
		SA1 - 6, 7, 10		

अक्तूबर	L.9 मित्रता	मित्रता का महत्व	नकारात्मक शब्द	
	L.12 वृक्षारोपण	वन हमारेलिए महत्वपूर्ण है	सार्वनामिक विशेषण	
नवंबर	L. 14. होतकार बालक	सूझ - बूझ की क्षमता	के, को, का, ने का प्रयोगए	एक निमंत्रण पत्र Integrated Project
		FA3 - L: 9, 15		
दिसंबर	L. 16. रोगों से बचे	फैलनेवाली बीमारियाँ	विधेय	बधाई और
	L. 13. एक था राम	कुसंगति छोड़कर सुसंगति अपनाओ	काल और	धन्यवाद पत्र
जनवरी	L. 17. हेलन केलर	दृढ़ संकल्प का विजय	भेद	का नमूना
	L. 18. पत्र लेखन	पत्र लेखन की विधा		
फरवरी		FA4 L : 12, 14		
मार्च		Revision SA2 - 13, 16, 17, 18		

## MALAYALAM

### JUNE

1. മുത്തച്ഛന്റെ ശൈശവം	ബാല്യത്തിന്റെ മഹത്വം	സമാസം
2. നിള	നമ്മുടെ പൈതൃകത്തെ- ക്കുറിച്ചുള്ള അറിവ്	അംഗ- അംഗി വാക്യങ്ങൾ

### JULY

3. പണ്ടത്തെ പാട്ടുകൾ	നാടൻ പാട്ടുകളെക്കുറിച്ചുള്ള അറിവ്	
4. കീരിപൊളിഞ്ഞ ചകലാസ്	ഗ്രാമത്തോടുള്ള സ്നേഹം ചുമതലകൾ മറക്കാതിരിക്കുക	മൾട്ടി ഡിസിപ്ലിനറി പ്രോജക്ട് പ്രഭാഷണം തയ്യാറാക്കുക

**FA1 Exam - 1,2,3**

### AUGUST

5. കാലനില്ലാത്ത കാലം	ഓട്ടൻതുളുൽ എന്ന കലാരൂപം മനസ്സിലാക്കുന്നു	
6. ശ്രീനാരായണ ഗുരു	സാമൂഹ്യ പരിഷ്കർത്താവായ ശ്രീനാരായണ ഗുരുവിനെ അറിയുന്നു.	സന്ധി ജീവചരിത്രകുറിപ്പ് തയ്യാറാക്കുക

### FA2 Exam - 4,5,6

### SEPTEMBER

7. മുളകാട്	പ്രകൃതിയുടെ വിവിധ ഭാവങ്ങൾ	അലങ്കാരം
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### SA1 Exam - 4,5,6,7



**OCTOBER**

- 8. വീടുവിട്ടു പോയവർ പഴയകാലത്തിന്റെ മഹത്വം
- 9. പ്രിയനെത്തേടി കണ്ണനോടുള്ള ഗോപികമാരുടെ പ്രണയം

**NOVEMBER**

- 10. സ്നേഹപൂർവ്വം അമ്മ മദ്യവും മയക്കുമരുന്നും ഇന്റഗ്രേറ്റഡ് പ്രോജക്ട്  
മൂലമുണ്ടാവുന്ന വിപത്ത്
- 11. കുചേലന്റെ യാത്ര സുഹൃത്ത്ബന്ധത്തിന്റെ ആഴം

**FA3 Exam -8,9,10**

**DECEMBER**

- 12. കുളവും കുട്ടിയും പ്രകൃതിയോടുള്ള കുട്ടിയുടെ ആത്മബന്ധം
- 13. പോവല്ലേ പോവല്ലേ ഓണത്തെക്കുറിച്ചുള്ള ഐതീഹ്യം പൊന്നോണമേ

**JANUARY**

- 14. ജീൻവാൽജീൻ സഹജീവിതകളോട് അനുഭവക്കുറിപ്പ് എഴുതുക  
കാരുണ്യത്തോടെ പെരുമാറുക

**FA4 Exam - 11,12,13**

**FEBRUARY**

- 15. കനിവിന്റെ പാട്ട് ഹിംസ പാപമാണെന്ന തിരിച്ചറിവ്

**MARCH**

**SA2 Exam**

**SOCIAL SCIENCE**

MONTHS	CHAPTERS	OBJECTIVES	ACTIVITIES
June	1. When, Where and How ▪Source of Information 2. New kings and kingdoms ▪Dynasties of medieval India	•To know about the past of India	➤PICTURE COLLECTION ➤Important monuments in India ➤CHART WORK ➤Natural resources
July	13.Components of environment ▪Biotic and abiotic 22. Democracy ▪Types of governments		

**FA1 EXAM PORTIONS – 1, 2, 13, 22**

Aug	<p>3. History of South India</p> <ul style="list-style-type: none"> <li>▪Chera</li> <li>▪Chola</li> <li>▪Pandya</li> </ul> <p>4. The Delhi sultanate</p> <ul style="list-style-type: none"> <li>▪Slave</li> <li>▪Khaljis</li> <li>▪Sayyid</li> <li>▪Lodi</li> </ul> <p>14. Earth's surface, Interior</p> <ul style="list-style-type: none"> <li>▪Types of rocks</li> </ul> <p>23. State government</p> <ul style="list-style-type: none"> <li>▪Legislative Assembly</li> </ul>	<p>➤Understand the contribution of rulers in India</p>	<p>➤MAP WORK</p> <p>➤Physical map of India</p> <p>➤MULTIDISCIPLINARY PROJECT</p> <p>➤History – Chapter 5</p> <p>Page No:11</p>
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**FA2 EXAM PORTIONS – 3, 4 14, 23**

Sep	<p>5. India (A.D 1500-1600)</p> <ul style="list-style-type: none"> <li>▪Akbar's administration</li> </ul> <p>6. Later Mughals</p> <ul style="list-style-type: none"> <li>▪Plate tectonics</li> </ul> <p>15. Earth's movements</p> <p>16. Air: structure, Activities</p> <ul style="list-style-type: none"> <li>▪Composition of atmosphere</li> </ul> <p>24. Media: the fourth pillar</p> <ul style="list-style-type: none"> <li>▪Means of communication</li> </ul>	<p>➤Importance of means communication</p>
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**SA1 EXAM PORTIONS – 5, 6, 15, 16, 24**

Oct	<p>7. Architectural development</p> <ul style="list-style-type: none"> <li>▪Rajput</li> <li>▪Sultanate</li> <li>▪Mughal</li> </ul> <p>8. Towns, Traders, Craftsmen</p> <ul style="list-style-type: none"> <li>▪Varies Urban cities</li> </ul>	<p>➤Growth of Urban cities</p>	<p>➤MULTIDISCIPLINARY PROJECT</p> <p>▪Geography- Chapter 8</p> <p>Page No:71</p>
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Nov	17. Water and movements ▪Portance of Ocean		➤POSTURE DESIGN ▪Water and its movements
	18. Natural Vegetation, Wildlife ▪Types of Forests	▪Protection of Forest	

**FA3 EXAM PORTIONS – 7, 8, 17, 18**

Dec	9. Social changes ▪Tribal society and nomads	•Condition of Tribal	➤SEMINAR •Bhakti movement is South India
	10. Popular Beliefs, Religions ▪Bhakti movements		
Jan	19. Human settlement ▪Types of transportation	•Contribution of Social reformers	➤CASE STUDY •Condition of tribal in Kerala
	25. Unpacking Gender ▪Role of Reformers		

**FA4 EXAM PORTIONS – 9, 10, 19, 25**

Feb	11. Blooming of Regional cultures ▪Growth of regional languages	•Development of Languages	
	12. New political formations ▪The Marathas, Mysore		
	20. Life in Tropical Regions ▪Amazon river Basin		
Mar	21. Life in Grasslands, Deserts ▪Prairies and Veld	•Functions in Markets	
	26 Market Around Us ▪Wholesale and Retail market		

**SA2 EXAM PORTIONS – 11, 12, 20, 21, 26**

## INFORMATION TECHNOLOGY

MONTH	CHAPTERS	OBJECTIVES	LAB ACTIVITIES
Jan	1. MS Word: Editing a Document	<ul style="list-style-type: none"> <li>➤ Making changes to a document by using :-</li> <li>➤ Cut</li> <li>➤ Copy</li> <li>➤ Paste</li> <li>➤ Find</li> <li>➤ Replace</li> <li>➤ GOTO</li> <li>➤ Autocorrect</li> <li>➤ Treasure</li> <li>➤ Spelling and grammar</li> </ul>	<ul style="list-style-type: none"> <li>● Create a new document in MS Word named My Holiday destinations.</li> <li>● Add My Holiday as Heading.</li> <li>● Type 10 Holiday Destinations with numbers.</li> <li>● Cut 10<sup>th</sup> and paste as 5<sup>th</sup>.</li> <li>● Copy 4<sup>th</sup> and paste as 11<sup>th</sup>.</li> <li>● Find Holiday Word.</li> <li>● Replace it with Favourite.</li> <li>● Use GOTO to navigate to 6<sup>th</sup> line.</li> <li>● Add an Autocorrect entry that replaces Holi with Holiday.</li> <li>● Use Treasure to enhance vocabulary.</li> <li>● Run Spelling and Grammar for correcting Errors.</li> </ul>
July	2. MS Word: Enhancing a Document with Advanced Formatting	<ul style="list-style-type: none"> <li>➤ Advanced Formatting Knowledge</li> <li>➤ Alignments.</li> <li>➤ Bullets and numbering.</li> <li>➤ Change Case option.</li> <li>➤ Borders and Shading</li> </ul>	<ul style="list-style-type: none"> <li>● Write one Short notes on "Effects of smoking on children" with a Heading as "Effects of smoking on children".</li> <li>● Align Heading at Center.</li> <li>● Contents in Left Alignment.</li> <li>● Write some ill effects in a list form and use numbering.</li> <li>● Create a list of Your Favorite food items list using Bullets in another file named "My Favorites".</li> <li>● Use change case option in your document</li> <li>● Apply Border and shading for your page</li> </ul>
<b>FA1 Chapters – 1, 2</b>			
Aug	3. MS Excel: Editing a worksheet	<ul style="list-style-type: none"> <li>➤ Ms Excel enables us to move the text from one place to another by using:-</li> <li>➤ Cut</li> <li>➤ Copy</li> </ul>	<ul style="list-style-type: none"> <li>● Create a one excel file of your personal details.</li> <li>● Use copy – paste command where ever text is repeating.</li> <li>● Move the name to Roll no field and correct it by using Undo redo command.</li> </ul>

- Paste
  - Undo
  - Redo
  - Autocorrect
  - Spelling and grammar
- Enhance your dictionary but adding the names of the students that are correctly spelt and still appear as not in the Dictionary
  - Make an Autocorrect entry for the typing error “students to be “students”.
  - Save the file as My Personal data.

Aug	4.M S Excel: Formatting a Worksheet	<ul style="list-style-type: none"> <li>➤To know how to use Excel</li> <li>➤Editing Row and Columns</li> <li>➤Boarder</li> <li>➤Conditional Formatting</li> </ul>	<ul style="list-style-type: none"> <li>●Open Excel and type: -</li> <li>●Write 5 Friends name and their age.</li> <li>●Change row height to 10.</li> <li>●Change column height to 5.</li> <li>●Apply border to table heading and make it presentable.</li> <li>●Use conditional formatting for the age below 10 in green.</li> </ul>
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#### FA2 Chapters – 3, 4

Sep	5.MS Excel:Viewing and Printing a Workbook	➤Know different views of MS Excel.	<ul style="list-style-type: none"> <li>●Create an Excel sheet with information about the Favorite Sports you like.</li> <li>●Apply Header as “Sports”.</li> <li>●Apply Page Number.</li> <li>●View the table in different views.</li> </ul>
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#### SA1 Chapters – 3, 4, 5

Oct	6.MS PowerPoint: Creating a Power Point Presentation	➤To work in Power Point	<ul style="list-style-type: none"> <li>●Open PowerPoint.</li> <li>●Create one simple PowerPoint Presentation about “Computer”.</li> <li>●Close the Presentation.</li> </ul>
Nov	7.MS PowerPoint: Basic Editing in PowerPoint.	➤To do editing in PowerPoint	<ul style="list-style-type: none"> <li>●Open PowerPoint.</li> <li>●Create 3 Slides about “your School”.</li> <li>●Find the Word TGM in that Presentation and replace it with TGM Vdyaniketan.</li> <li>●View the slide in different views.</li> </ul>
Nov	8.Internet: Introduction to E-Commerce	➤Aware about the E- commerce	<ul style="list-style-type: none"> <li>●Show one online Site.</li> </ul>

#### FA3 Chapters – 6, 7, 8

Dec	9.Command Prompt: Managing Files Using the Command Prompt	➤Able to do operations in CUI	<ul style="list-style-type: none"> <li>●Create one file named letter, essay and temp by using COPY CON.</li> <li>●Rename letter files as formal letter.</li> <li>●Essay with essaycollection.</li> <li>●Delete temp file</li> <li>●Edit formal letter in editor window.</li> </ul>
Jan	10.QBasic: Fundamentals of Programming	➤Basic Programming Knowledge.	<ul style="list-style-type: none"> <li>●Create one Algorithm and flow chart for:-</li> <li>●Take first no.</li> <li>●Take second no.</li> <li>●Add two nos.</li> <li>●Display result.</li> </ul>
Jan	11.QBasic: Getting Started with QBasic	➤Basic idea about simple program.	<ul style="list-style-type: none"> <li>●Print your name.</li> <li>●Print Your School name.</li> </ul>
<b>FA4 Chapters – 9, 10, 11</b>			
Feb	12.QBasic: Programming in QBasic	➤Knowledge about variable, constant, data type.	<ul style="list-style-type: none"> <li>●Add two numbers.</li> <li>●Calculate Quotient &amp; remainder of accepted number.</li> <li>●Accept three marks and Print Total marks with 3 marks.</li> </ul>

**SA2 Chapters – 8, 9, 10, 12**

## **MATHEMATICS**

<b>MONTH</b>	<b>CHAPTER</b>	<b>OBJECTIVES</b>	<b>ACTIVITY</b>
June	1. Integers	<ul style="list-style-type: none"> <li>●Properties of addition and subtraction of Integer</li> <li>●Properties of multiplication</li> <li>●Multiplication of Integer</li> </ul>	<ul style="list-style-type: none"> <li>➤Numberline marking fraction on number line</li> </ul>
	2. Fraction and decimals	<ul style="list-style-type: none"> <li>●Solves problems with fraction.</li> <li>❖Whole number</li> <li>❖Fraction</li> </ul>	

- Division of fraction by
  - ❖Whole number
  - ❖Another fraction

July

3. Data handling

- Collection of data
- Organization of data
- Arithmetic mean
- Range mode
- Median
- Probability

- Understand representative values

➤Models of bar graph

4. Simple equation

- Settling up of equation
- Solving an equation
- Application of simple equations to practical situations

- Applies the knowledge to solve problems

**FA1 EXAM PORTIONS – 1, 2, 3**

Aug

5. Lines and angles

- Related angles
- Complimentary angles
- Adjacent angles
- Linear pair
- Vertically opposite angles
- Pairs of lines transversal

- Identifies different angles

➤Models of triangles

6. The triangle and its properties

- Altitude of triangle
- Exterior angle
- Angle sum property
- Special triangles right angled triangle and Pythagoras property

- Understands triangle properties

**FA2 EXAM PORTIONS – 5, 6**

- Sep            7. Congruence of triangles
- Congruence
  - Congruence criteria
  - Congruence of right triangles
- Solves problems

**SA1 EXAM PORTIONS – 1, 2, 3, 4, 5, 6, 7**

- Oct            8. Comparing quantities
- Equivalent ratio
  - Percentages
  - Converting decimals to percentage
  - Simple interest
  - Understand terms of comparison
9. Rational numbers
- Need for Rational numbers
  - Positive and negative rational numbers
  - Rational numbers in standard form
  - Operations of rational numbers.
- Understand Rational numbers

- Nov            10. Practical geometry
- Construction of
  - Parallel lines
  - Triangles
- Understand constructions    ➤Models of figures
11. Perimeter and area
- Squares and triangles
  - Triangles as prt of rectangle
  - Area of parallelogram
  - Area of triangle
  - Circles
  - Application
- Solves problems

**FA3EXAM PORTIONS - 8, 9, 10**



Dec	12. Algebraic expression	•Understand algebraic expression
	<ul style="list-style-type: none"> <li>•Terms of an expression</li> <li>•Addition and subtraction of algebraic expression</li> <li>•Additions and subtraction of algebraic expression. algebraic expression</li> </ul>	
Jan	13. Exponent and powers	•Understand exponents and powers
	<ul style="list-style-type: none"> <li>•Exponents</li> <li>•Lawsexpressing large numbers in the standard form</li> </ul>	

**FA4EXAM PORTIONS - 12, 13**

Feb	14. Symmetry	•Compares symmetry with objects around us
	<ul style="list-style-type: none"> <li>•Introduction</li> <li>•Line of symmetry</li> <li>•Rotational symmetry</li> </ul>	
	15. Visualizing solids	•Applies the knowledge in daily life
	<ul style="list-style-type: none"> <li>•Planes figures and solid figures</li> <li>•Faces</li> <li>•Edges</li> <li>•Vertices</li> <li>•3 D shapes</li> <li>•Viewing different sections of a solid</li> </ul>	

Mar      **Revision**

**SA2EXAM PORTIONS – 8, 9, 10, 11, 12, 13**

## SCIENCE

MONTH	CHAPTER	OBJECTIVE	ACTIVITY
June	1. Nutrition in Plants	<ul style="list-style-type: none"> <li>• Understand the plant nutrients</li> <li>• Learn about nutrients in animals</li> </ul>	<ul style="list-style-type: none"> <li>➤ Paper Pencil Test</li> <li>▪ Page No. 3 &amp; 4</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Mode of nutrition in plants</li> <li>▪ Photosynthesis</li> <li>▪ Other modes of nutrition</li> <li>▪ How nutrients are replenished in the soil</li> </ul>		
	2. Nutrition in Animals		<ul style="list-style-type: none"> <li>➤ Flow chart based work sheet</li> <li>▪ Page No.5 &amp; 6</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Different ways of lacking food</li> <li>▪ Digestion in humans</li> <li>▪ Grass eating animals feeding digestion in Amoeba</li> </ul>		
July	4.Heat	<ul style="list-style-type: none"> <li>• Understand hotness and coldness</li> </ul>	<ul style="list-style-type: none"> <li>➤ Picture Mystery</li> <li>▪ Page No. 15 &amp;16</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Hot and cold</li> <li>▪ Measuring temperature</li> <li>▪ Transfer of heat</li> <li>▪ Cloths according to season</li> </ul>		
	13. Motion and Time	<ul style="list-style-type: none"> <li>• Learn about motions</li> </ul>	<ul style="list-style-type: none"> <li>➤ Paper Pencil Test</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Slow or fast speed and its measurement</li> <li>▪ Distance tie graph</li> <li>▪ Page No. 55&amp; 56</li> </ul>		
<b>FA1 EXAM PORTIONS–1, 2, 4, 13</b>			
July	3.Fiber to fabric	<ul style="list-style-type: none"> <li>• Understand the process of making fibers</li> </ul>	<ul style="list-style-type: none"> <li>➤ Remedial Work Sheet</li> <li>▪ Page No.13&amp;14</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Animal fibers</li> <li>▪ Processing of fiber to wool</li> <li>▪ Life history of silk moth</li> </ul>		
	5.Acids, Bases and Salts	<ul style="list-style-type: none"> <li>• Understand more about Acids, Bases and Salts</li> </ul>	<ul style="list-style-type: none"> <li>➤ Group Lab Activity</li> <li>▪ Page No.21&amp;22</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Acids, bases</li> <li>▪ Natural indicators</li> <li>▪ Neutralization in everyday life</li> </ul>		
Aug	7. Weather, climate and adaptation of animals to climate	<ul style="list-style-type: none"> <li>• Understand more about Weather &amp; climate</li> </ul>	<ul style="list-style-type: none"> <li>➤ Remedial Work Sheet</li> <li>▪ Page No.31&amp;32</li> </ul>
	<ul style="list-style-type: none"> <li>▪ Weather</li> <li>▪ Climate and adaptation polar region</li> <li>▪ Tropical rain forests</li> </ul>		

**FA2 EXAM PORTIONS – 3, 5, 7**

Sep	14. Electric current and its effects <ul style="list-style-type: none"> <li>▪Symbols of electric components</li> <li>▪Heating effects of electric current</li> <li>▪Magnetic effect of electric current</li> </ul>	<ul style="list-style-type: none"> <li>•Understand electric current and its effects</li> </ul>	<ul style="list-style-type: none"> <li>➤Lab Activity</li> <li>▪Page No.59 &amp; 60</li> </ul>
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**SA1 EXAM PORTIONS – 1, 2, 3, 4, 5, 7, 13**

Sep	8. Wind, Storms and Cyclones <ul style="list-style-type: none"> <li>▪Air exerts pressure</li> <li>▪air expand of hating</li> <li>▪generation of wind currents</li> <li>▪Tundra</li> <li>▪Storms and cyclones</li> <li>▪Destruction and safety measures of cyclones</li> </ul>	<ul style="list-style-type: none"> <li>•Learn about Tundra</li> <li>•Storms and cyclones</li> <li>•Destruction and safety measures of cyclones</li> </ul>	<ul style="list-style-type: none"> <li>➤Model Making</li> <li>Project</li> <li>▪Page No.33&amp;34</li> </ul>
Oct	6. Physical and chemical changes <ul style="list-style-type: none"> <li>▪Physical and chemical changes</li> <li>▪Rusting of iron</li> <li>▪Crystallization</li> </ul>	<ul style="list-style-type: none"> <li>•Understand physical and chemical changes</li> </ul>	<ul style="list-style-type: none"> <li>➤Table Based Work Sheet.</li> <li>▪Page No. 27 &amp; 28</li> </ul>
	9. Soil <ul style="list-style-type: none"> <li>▪Soil, soil profile</li> <li>▪Soil types</li> <li>▪Properties of soil</li> <li>▪Soil &amp; crops</li> </ul>	<ul style="list-style-type: none"> <li>•Identifies diff. type of soil</li> </ul>	<ul style="list-style-type: none"> <li>➤Picture based Work Sheet</li> <li>▪Page No.37 &amp; 38</li> </ul>
Nov	10. Respiration in organisms <ul style="list-style-type: none"> <li>▪Breathing</li> <li>▪Breathing in other animals</li> </ul>	<ul style="list-style-type: none"> <li>•Understand breathing</li> </ul>	<ul style="list-style-type: none"> <li>➤Puzzle</li> <li>▪Page No.41 &amp;42</li> </ul>
	15. Light <ul style="list-style-type: none"> <li>▪Reflection light</li> <li>▪Spherical mirrors</li> <li>▪lenses</li> </ul>	<ul style="list-style-type: none"> <li>•Identifies the phenomenon of light</li> </ul>	<ul style="list-style-type: none"> <li>➤Picture based Work Sheet</li> <li>▪Page No.67 &amp;68</li> </ul>

**FA3 EXAM PORTIONS – 8, 9, 6, 10, 15**

Dec	11. Transpiration of Animals and plants <ul style="list-style-type: none"> <li>▪Circulating system</li> <li>▪Heart</li> <li>▪Kidney. Transpiration in plants</li> </ul>	<ul style="list-style-type: none"> <li>•Understand the function of organs</li> </ul>	<ul style="list-style-type: none"> <li>➤Diagram based Work Sheet</li> <li>•Page No.45 &amp; 46</li> </ul>
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12. Reproduction in plants.

- Modes of respiration
- Sexual reproduction
- Fertilization
- Seed dispersal

•Identifies  
reproduction in plants

➤Picture Based Work  
Sheet

•Page No.49 & 50

Jan

16. Water- A precious resource

- Availability of water
- forms of water
- Depletion of water table.
- Effect of water scarcity.

•Understand the  
importance of water

➤Paper Pencil Test

▪Page No.71 & 72

**FA3 EXAM PORTIONS – 11, 12, 16**

Feb

17. Forests our life line

- Visit to a forest canopy
- Crown deforestation and its effects

•Understand the  
importance of forests

➤Comprehension  
Based Work Sheet

▪Page No.73 & 74

18. Waste water storage

- Water our life line
- treatment of polluted water
- treatment planet

•Understand the  
recycling of waste  
water

➤Check list

▪Page No.77 & 78

Mar

**Revision**

**SA2 EXAM PORTIONS- 8, 9, 6, 10, 15, 11, 12, 16**

# STD VIII - CURRICULUM PLAN OF THE YEAR 2016- 17

## ENGLISH

MONTH	LITERATURE	OBJECTIVES & VALUES	ACTIVITIES
May	<b>MAIN READER</b> 1. How Daddy was always late 2. Television as God(poem)	•Punctuality •Obedience •Entertainment •Dutifulness	➤Comprehension based listening worksheet (Chapter -3) Page :33
	<b>SUPPLEMENTARY READER</b> 1. In Memoriam		
	<b>GRAMMAR</b> ▪Sentences ▪Phrases &clauses ▪Foreign words in English		
	<b>WRITING</b> ▪Reflective essay ▪CCE worksheet: 1A- 1F		
	<b>ASL</b> 1.Expressing likes and dislikes		
June	<b>MAIN READER</b> 3.Idgah 4. In the Bazaars of Hyderabad (Poem)	➤Independence ➤Not being over ambitious ➤Dutifulness	➤Role play (Chapter: 4) Page No:43
	<b>SUPPLEMENTARY READER</b> 2. Thanks for your time		
	<b>GRAMMAR</b> ▪Verbs ▪Tenses ▪British and American spellings		

## WRITING

- Film Review
- CCE worksheet: 1G – 1J

## ASL

- 2. Talking about continuous actions

July

### MAIN READER

- 5. Everything for the best

- Logic over fear and superstition

### SUPPLEMENTARY READER

- 3. The lake Isle of Innisfree

## GRAMMAR

- Nouns
- Adjectives

## WRITING

- CCE worksheet: 2A-2E

## ASL

- 3. Narrating conversations

**FA1 Exam Portions-MAIN READER L: 1,2,3,4 SUPPLEMENTARY READER : 2,3 GRAMMAR : ALL**

Aug

### MAIN READER

- 6. A Little Grain of Gold(poem)
- 7. A Lesson in Life from a Beggar

- Generosity
- Understanding
- Loving fellow human beings

➤Worksheet- word power  
(Chapter -2)  
Page No :29

### SUPPLEMENTARY READER

- 4. The Last Leaf

## GRAMMAR

- Adverbs
- Pronouns
- Similes

## WRITING

- Autobiography
- CCE worksheet:3A-3E

## ASL

- Expressing possibility, desirability,adequacy
- Seeking information and confirmation

**FA2Exam Portions-MAIN READER: 5,6,7SUPPLEMENTARY READER: 4GRAMMAR : ALL**

Sep	<b>MAIN READER</b>	•Love of nature	➤ Multidisciplinary
	8.The Echoing Green(poem)	•Sharing experiences	project (Chapter-6) Page No :55

## WRITING

CCE worksheet:4A – 4C

## ASL

Expressing unreal conditions

**SA1 Exam Portions-MAIN READER: 3,5,6,7,8SUPPLEMENTARY READER : 1,4GRAMMAR - ALL**

Oct	<b>MAIN READER</b>	•Entertainment	➤Paper Pencil Test
	9. Tintin, the comic hero	•Enjoy	(Chapter-7)Page No:75
	10. The Pipe-Lighter(play)		

## SUPPLEMENTARY READER

5. Tom Sawyer

## GRAMMAR

- Prepositions
- Conjunction
- Phrasal verbs

## WRITING

- Story writing
- CCE worksheet:5A -5C

## ASL

- Making vivid descriptions
- Expressing agreement and disagreement

Nov

### MAIN READER

- 11. Falling leaves
- 12. The Dusk(poem)
- 13.The Lady Executive

- Identifying false praises ➤Integrated project-  
Junk Food
- Determined
- Dutifulness

### SUPPLEMENTARY READER

- 6. To the cuckoo

## GRAMMAR

- Determiners
- Direct and indirect speech

## WRITING

- Newspaper report
- CCE worksheet:6A-6E

## ASL

- Making polite requests

**FA3 Exam Portions- MAIN READER: 9,10,11,12**  
**SUPPLEMENTARY READER : 5,6**  
**GRAMAMR –ALL**

Dec

### MAIN READER

- 14.The Restless Beauty(Poem)
- 15. Forest Fires(Poem)

- Love of nature ➤Group discussion  
(Chapter-4)Page No:45
- Importance of wildlife

### SUPPLEMENTARY READER

- 7. King Lear



## **GRAMMAR**

- Active and Passive voice
- Punctuation

## **WRITING**

- Advertisements
- CCE worksheet:6F – 6G

## **ASL**

- Expressing certainty in future

Jan

## **MAIN READER**

16.A Good Deed Comes Around

➤ Poetry based worksheet

(Chapter-3) Page No:37

## **SUPPLEMENTARY READER**

- 8.More about people
- 9. The Open Window
- 10.Mulga Bill's Bicycle

## **GRAMMAR**

- Subject-verb agreement
- Words easily confused
- Word formation

## **WRITING**

- Preparing a poem
- CCE worksheet:7A-7E

## **ASL**

- Making suggestions
- Giving directions
- Complaining and apologizing

**FA4 Exam Portions-MAIN READER: 14,15,16****SUPPLEMENTARY READER: 9,10****GRAMMAR: ALL**

Feb **MAIN READER**

Revision

**WRITING**

■CCE worksheet:7F -7G

Mar **Revision**

**SA2 Exam Portions- MAIN READER: 10,13,14,15,16 SUPPLEMENTARY READER :  
7,8 GRAMMAR: ALL**

**HINDI**

जून	L. 1. प्रार्थना	प्रार्थना से किसी भी कार्य शुरू करने की प्रेरणा	प्रत्यय, की और कि का प्रयोग	चित्र देखकर वर्णन कीजिए। (Text book page No. 19) [Group]
	L. 2. परख	परोपकार की भावना	वाक्य के प्रकार	बचपन का चित्र सकलित कर
	L. 5. कोई मुझे मेरा	बचपन लौटा दो	बचपन	उसके बारे में लिखिए [Individual]
	FA1 - L. 1, 2			
जुलाई	L. 3. ओलिंपिक खेल	सदभावना बढ़ाने में खेलों का महत्व	सर्वनाम, तत्सम-तदभव	
	L. 4. सफलता की त्रिवेणी	लक्ष्यप्राप्ति के लिए स्वस्थ शरीर, प्रार्थना तथा सही दृष्टिकोण के महत्व	विराम चिह्न	
अगस्त	L. 7. दावत	निस्वार्थ भावना	क्रियाविशेषण वचन उद्देश्य एवं विधेय	यात्राविवरण
	L. 8. भारत के तीर्थस्थान-केदारनाथ और बदरीनाथ		स्थान परिचय	संयुक्त वर्ण
	FA2 - L. 3, 5			
सितंबर	L. 10. पुस्तकें	जीवन में पुस्तकों का महत्व	प्रेरणार्थक क्रिया	Multi disciplinary project
	L. 15. स्वामि विवेकानंद का पत्र	लक्ष्य प्राप्ति	वाच्य	
	SA1 - L: 4, 7, 8, 10, 15			
अक्टूबर	L. 11. रदाचार का तावीज़	अपनी आत्मा की आवाज़ सुनकर मनुष्य सदाचारी बन सकता है।	अनुस्वार	

	L. 13. कोशिश करनेवालों की हार नहीं होती	मेहनत से फल मिलता है।	विराम-चिह्न के प्रकार	
नवंबर	L. 12. मेट्रो रेल सुविधाएँ	जन साधारण को उपलब्ध तदभव शब्द	तत्सम-	मेट्रोरेल का यात्रानुभव
	L. 16. कबीर के दोहे	मीठी वाणी का महत्व	सार्थक- निरर्थक शब्द क्रियाविशेषण के भेद	Inteegrated Project  जंक फूड
दिसंबर	FA3 - L: 11, 13 L. 14. मुसीबत हाथियों की	संगमेश्वर के मंदिर की महिमा	वाक्य के प्रकार	
	L. 18. सुमन एक उपवन के	राष्ट्रीय भावना	वचन ने, को, केलिए, पर, के, की प्रयोग	
जनवरी	L. 17. चंपाफली	बुजुर्ग एक बच्चों के	अव्यय	हमारे जीवन में पेड़-पौधों का तनाव एवं संघर्ष महत्व (Individual) एनिमिया के बारे में डॉक्टर और बच्चों के बीच संवाद (group)
फरवरी	FA4 L:12, 16 SA2 L: 14, 17 & 18			

## MALAYALAM

<b>June</b>	1. പാവം പക്ഷി	സന്ധി	സഹജീവി സ്നേഹം പ്രസംഗം തയ്യാറാക്കുക	
	2. മാൻ മാർക്കു കുട	സമാസം	ഒരാളെയും ചെറുതായി പോസ്റ്റർ തയ്യാറാക്കുക കാണരുത്	
	3. അമ്മ മലയാളം	അംഗ- അംഗി	മലയാളഭാഷയുടെ പ്രാധാന്യം	
<b>FA1 Exam 1,2,3</b>				
<b>July</b>	4. നൈൽ ഒരു മഹാകാവ്യം	വിധി	നൈൽ നദിയെ കുറിച്ചുള്ള അറിവ് ഗേഹലക്ഷ്മിക്ക് കാക്കയുമായുള്ള ബന്ധം	യാത്രാവിവരണം
	5. കാക്ക			
<b>August</b>	6. ഗുരുനാഥൻ	പ്രയോഗം	ഗുരുത്വം	അനുഭവക്കുറിപ്പ്
	7. തിരികെയത്ര		പുഴകൾ സംരക്ഷി- ക്കേണ്ടതിന്റെ ആവശ്യകത	
<b>FA2 Exam 4,5,6</b>				

<b>September</b>	8. കച്ചടിസ്വാമിയാരുടെ കഥ	ഫലിത സാഹിത്യം	Multi disciplinary project
	<b>SA1 Exam 4,5,6,7,8</b>		
<b>October</b>	9. മാമ്പഴക്കാലം	ഗ്രാമീണതയിലേ- യ്ക്കുള്ള നഗരത്തിന്റെ കടന്നുകയറ്റം	
	10. പടച്ചോന്റെ ചോറ്	അധ്വാനത്തിന്റെ മഹത്വം	
<b>November</b>	11. സഹപാഠികൾ	സൗഹൃദം	Integrated project
	<b>FA3 Exam 9,10,11</b>		
<b>December</b>	12. ഏതോ ഒരു സ്വപ്നം പോലെ	യാത്രാനുഭവം	
	13. ശ്രീഭൂവിലസ്ഥിര	സൗന്ദര്യം നശ്വരമാണ്	
<b>January</b>	14. അമ്മ	ബന്ധങ്ങൾ കാത്തു സൂക്ഷിക്കുക	പ്ലക്കാർഡ് നിർമ്മാണം
	<b>FA4 Exam 12,13,14</b>		
<b>February</b>	15. ദുരാഗ്രഹം	ദുരാഗ്രഹം നന്നല്ല	
<b>March</b>	<b>Revision</b>		
	<b>SA2 Exam 11,12,13,14,15</b>		

## SOCIAL SCIENCE

<b>MONTH</b>	<b>CHAPTER</b>	<b>OBJECTIVES</b>	<b>ACTIVITIES</b>
June	1. When , Where and How ▪Sources of information	•To know various sources	POSTER DESIGN •Pollution
	2. Growth of company power ▪Growth of British Rule	•Reaction of Indians	
July	14. Resources : Their types ▪Types of resources	•Conservation and protection	➤GROUP DISCUSSION •Merits and demerits of British
	20. The Constitution ▪Main ideas of Constitution	•Features of Constitution	•Policies in India
<b>FA1EXAM PORTIONS– 1, 2, 14, 20</b>			
Aug	3. Army and administration	•Policies introduced by	➤MULTIDISCIPLINARY

▪Administrative measures

British

PROJECT

•Merits and de-merits

Geography – Chapter 2  
Page No:59

4. Rural Life and society

▪Land revenue policy

15. Natural resources

▪Conservation of resources

•Sustainable Development ➤MAP WORK

21. Fundamental Rights and Duties

▪Evaluation of Fundamental Rights and Duties.

•Role of Judiciary

**FA2EXAM PORTIONS - 3, 4, 15, 21**

Sep

5. Tribal under the company

▪Nature of Tribal Revolt

•Problems facing by Tribal

6. Indian crafts and Industries

▪Development of modern Industry

•Development in the field of Industry in India

7. Revolt of 1857

▪Causes of Revolt of 1857

•Importance and results

16. Natural resources

▪Minerals and energy resource

•Protection and conservation

22. Social justice and marginalised

▪Marginalised groups

•Governmental policies

**SA1EXAM PORTIONS 5, 6, 7, 16, 22**

Oct

8. condition of Education in India

▪Modern Education in India

•Growth and expansion

•Legislations

➤INTEGRETED PROJECT

•Junk Food

9. Condition of Women in India

▪Condition of Women in the

## 19<sup>th</sup> Century

- Nov 17. Manufacturing Industries
- Classification of Industries
  - Importance and growth
  - PROJECT
  - Organisation of the Central Government
  - Functions of the Government
  - Democracy in India
23. Parliamentary government
- Organs of the Central Government

### FA3 – EXAM PORTIONS - 8, 9, 17, 23

- Dec 10. Caste system in India
- Social evils and reactions
  - SURVEY
  - Reforms in caste system
  - Condition of farmers
  - Condition of farmers is a locality
18. Agriculture
- Types of Agriculture
  - Role of Agriculture

- Jan 24. The Judiciary
- Supreme Court and High Court
  - Court as the protector
  - COLLAGE
  - Indian Judicial system

### FA4 EXAM PORTIONS – 10, 18, 24

- Feb 11. Indian National movement (I N C)
- Aims and objectives
12. I N C (1919-1947)
- Indian National Congress
13. India after Independence
- Gandhian Era
  - Emergence of Gandhi
  - Location and relation
  - India and her Neighbours

- Mar 19. Human resources
- Density of population
  - Role of Human resources
25. Government, Economic development
- Planning Commission
  - Programs and policies

### SA2 EXAM PORTIONS -11, 12, 13, 19, 25

## INFORMATION TECHNOLOGY

MONTH	CHAPTERS	OBJECTIVES	LAB ACTIVITIES
June	1. MS Word: Advanced Features	<ul style="list-style-type: none"> <li>➤ Adding tables in a document.</li> <li>➤ Adding Clipart</li> <li>➤ Adding WordArt</li> <li>➤ Adding Themes</li> <li>➤ Adding Shapes</li> </ul>	<ul style="list-style-type: none"> <li>• Create a new document in MS Word named Transport which contains details of students coming to school by cycle, bus, predestine.</li> <li>• Create one table with name, Cycle, School bus, predestine.</li> <li>• Use Word art feature for heading.</li> <li>• Add suitable pictures from clipart.</li> <li>• Resize the picture.</li> <li>• Apply suitable themes.</li> </ul>
July	2. MS Excel: Working with Worksheets and Charts	<ul style="list-style-type: none"> <li>➤ Auto fill feature.</li> <li>➤ Charts</li> </ul>	<ul style="list-style-type: none"> <li>• Create Calendar using Auto fill.</li> <li>• Delete the row containing 8 and 10 in the calendar.</li> <li>• Insert a row to add the dates back.</li> <li>• Delete a cell from calendar.</li> <li>• Create a report card and prepare charts.</li> </ul>
<b>FA1 Chapters – 1, 2</b>			
Aug	3. MS PowerPoint: Inserting Objects in a Presentation	<ul style="list-style-type: none"> <li>➤ To study about the placeholders of PowerPoint.</li> <li>➤ Add shapes in Power Point.</li> <li>➤ Adding WordArt</li> </ul>	<ul style="list-style-type: none"> <li>• Create a one PowerPoint Presentation for “Earth – A Planet”.</li> <li>• Create appropriate Title.</li> <li>• Add a bulleted list about the characteristics of earth</li> <li>• Add suitable pictures.</li> <li>• Add text and Picture slides for the different contents with brief note.</li> <li>• Add a chart for percentage of area covered by earth contents.</li> <li>• Save the presentation as “earth”.</li> </ul>

Aug	4. MS PowerPoint: Formatting a Presentation	➤ To make our presentation more appealing.	<ul style="list-style-type: none"> <li>• Take earth.ppt”</li> <li>• Apply font size, color, style.</li> <li>• Use Format Painter for applying the style to other slides.</li> <li>• Change the design of slide.</li> <li>• Change the color scheme of Title only.</li> <li>• Save file.</li> </ul>
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**FA2 Chapters – 3, 4**

**SA1 Chapters – 1, 2, 3, 4**

Sep	5. MS Access: Introducing Database	➤ Basic idea of a Database.	<ul style="list-style-type: none"> <li>• Open MS Access Window.</li> <li>• Analyse the parts of the Window.</li> </ul>
Oct	6. MS Access 2010: Getting Started	➤ To start working in MS Access.	<ul style="list-style-type: none"> <li>• Open MS Access.</li> <li>• Pin MS Access to taskbar.</li> <li>• Create a new database with the name "myself" contains the fields name age Date of Birth.</li> <li>• Close the MS Access.</li> </ul>
Nov	7. QBasic: Controlling Program Flow.	➤ Start using the control statements in QBasic.	<ul style="list-style-type: none"> <li>• Open Editor Window.</li> <li>• Do some simple programs of GOTO, If Else, For, Switch, While Loops.</li> <li>• Input 3 numbers and check which number greatest and vice versa.</li> <li>• Multiplication Table.</li> <li>• Program for display number name of 1-9 numbers.</li> </ul>

**FA3 Chapters – 7, 8, 9**

Dec	10. QBasic: Using Strings and Arrays.	➤ Basic String Functions	• Do programs showing the result of string functions.
Dec	11. QBasic: Using Subroutines and Functions	➤ Use of splitting programs.	• Create one program to calculate area, circumference using subroutine option.
Jan	12. QBasic: Trouble Shooting	➤ Easy ways of trouble shooting.	• Take any above program and do trouble shooting.

**FA4 Chapters – 10, 11, 12**

**SA2 Chapters – 8, 9, 10, 12**



## MATHEMATICS

MONTH	CHAPTER	OBJECTIVES	ACTIVITY	
June	1. Rational numbers	<ul style="list-style-type: none"> <li>• Properties of rational numbers</li> <li>• Negative of a number</li> <li>• Reciprocal</li> <li>• Representation of rational numbers on the number line</li> <li>• Rational numbers between two rational numbers</li> </ul>	<ul style="list-style-type: none"> <li>• Identifies properties of rational numbers</li> </ul>	
	2. Linear equation in one variable	<ul style="list-style-type: none"> <li>▪ Solving linear equation</li> <li>▪ Reducing equations to simpler form</li> <li>▪ Equations reducible to the linear form</li> </ul>	<ul style="list-style-type: none"> <li>• Solves problems</li> </ul>	
July	3. Understanding quadrilaterals	<ul style="list-style-type: none"> <li>▪ Introduction</li> <li>▪ Polygon</li> <li>▪ Angle sum property</li> <li>▪ Quadrilaterals</li> <li>▪ Parallelogram</li> </ul>	<ul style="list-style-type: none"> <li>• Identifies properties of quadrilaterals</li> </ul>	<ul style="list-style-type: none"> <li>➤ Draw Rectangles.....</li> </ul>
	4. Practical Geometry	<ul style="list-style-type: none"> <li>• Constructing quadrilateral</li> </ul>	<ul style="list-style-type: none"> <li>• Identifies quadrilaterals</li> </ul>	
<b>FA1 EXAM PORTIONS – 1, 2, 3, 4</b>				
Aug	5. Data handling	<ul style="list-style-type: none"> <li>▪ Pictograph</li> <li>▪ Organizing data</li> <li>▪ Grouping data</li> <li>▪ Bar with a difference \ pie chart</li> <li>▪ Probability</li> </ul>		

## 6. Squares and square roots

- Properties of square numbers
  - Finding
  - Square of a number
  - Pythagorean triplet
  - Square root
  - Division method
- Solves problems
- Models of Bar graph

## FA2 EXAM PORTIONS – 5, 6

- Sep 7. Cubes and Cube roots
- Cubes
  - Cube roots
  - Cube root of a cube number
- Understand cubes and cube roots

## SA1 EXAM PORTIONS – 1, 2, 3, 4, 5, 6, 7

- Oct 8. Comparing quantities
- Ratio
  - Percentage
  - Increase or decrease percentage
  - Interest compound interest formula
- Solves problems
- Models of shapes

## 9. Algebraic expressions and identities

- Terms
  - Factors and coefficient
  - Addition and subtraction of algebraic expressions
  - Multiplication
- Understand operations of algebraic expressions

Nov 10. Visualising solid shapes

- Views of 3D shapes
  - Mapping space around us
  - Faces
  - Edges and vectors of solids
- Compares objects to geometric shapes

## 11. Mensuration

- Area of different geometrical figures
  - Solid shapes
  - Volumes
- Solves problems

### FA3 EXAM PORTIONS – 8, 9, 10, 11

Dec	12. Exponents and powers		
	▪ Powers with negative exponents	• Identifies exponent and powers	➤ Write exponent laws in Chart Paper
	▪ Laws of exponents		
	▪ Comparing numbers		
	13. Direct and inverse proportions		
	▪ Direct proportion	• Compares proportions	
	▪ Inverse proportion		
Jan	14. Factorisation	• Understand more about Polynomials	
	▪ Factors of algebraic expressions		
	▪ Method of common factors		
	▪ Using identities		
	▪ Division of polynomials		

### FA4 EXAM PORTIONS – 12, 13, 14

Feb	15. Introductions to graphs		
	▪ Bar graph	• Identifies graph	
	▪ Pie graph		
	▪ Histogram		
	▪ Line graph		
	▪ Liner graph		
	▪ Applications		
	16. Playing with numbers		
	▪ Numbers in general form	• Applies divisibility rules	
	▪ Test of divisibility		

Mar **Revision**

### SA1 EXAM PORTIONS – 8, 9, 10, 11, 12, 13, 14, 15, 16

## SCIENCE

MONTH	CHAPTERS	OBJECTIVES	ACTIVITIES
June	1. Crop production and management <ul style="list-style-type: none"> <li>▪Agricultural practices</li> <li>▪Basic practices of crop production</li> </ul>	<ul style="list-style-type: none"> <li>•Understand modern techniques of agriculture</li> </ul>	<ul style="list-style-type: none"> <li>➤Diagram based Worksheet</li> <li>Page No 3, 4</li> </ul>
June	4. Metals and non-metals <ul style="list-style-type: none"> <li>▪Physical properties of metals and non-metals</li> <li>▪Chemical properties of metals and non-metals</li> <li>▪Uses of metals and non-metals</li> </ul>	<ul style="list-style-type: none"> <li>•Identifies metals and non-metals</li> </ul>	<ul style="list-style-type: none"> <li>➤Paper Pencil Test</li> <li>Page No : 21, 22</li> </ul>
July	11. Force and Pressure <ul style="list-style-type: none"> <li>▪Force</li> <li>▪Forces due to an interaction Effects of force</li> <li>▪Non-contact force, Pressure exerted by liquids and gases-</li> </ul>	<ul style="list-style-type: none"> <li>•Applies the knowledge of force in daily life</li> </ul>	<ul style="list-style-type: none"> <li>➤Concept based Worksheet</li> <li>Page No: 49, 50</li> </ul>
Aug	2. Micro-organisms –Friend and Foe <ul style="list-style-type: none"> <li>▪Micro-organisms</li> <li>▪Microorganisms and use</li> <li>▪Uses of microorganisms</li> <li>▪Harmful microorganisms</li> <li>▪Food preservation</li> <li>▪Nitrogen fixation</li> </ul>	<ul style="list-style-type: none"> <li>•Understand more about microorganisms</li> </ul>	<ul style="list-style-type: none"> <li>➤Picture Mystery</li> <li>Page No : 7, 8</li> </ul>
<b>FA 1 EXAM PORTIONS - 1, 4, 11. 2</b>			
Aug	5 Coal and Petroleum <ul style="list-style-type: none"> <li>•Natural resources</li> <li>•Coal</li> <li>•Petroleum</li> <li>•Refining of petroleum.</li> </ul>	<ul style="list-style-type: none"> <li>•Understand the importance of natural resources</li> </ul>	<ul style="list-style-type: none"> <li>➤Paper Pencil Test</li> <li>Page No : 27, 28</li> </ul>

Aug	13. Sound	<ul style="list-style-type: none"> <li>▪How is sound produced</li> <li>▪Propagation of sound</li> <li>▪Characters of sound</li> <li>▪Noise pollution</li> </ul>	<ul style="list-style-type: none"> <li>•Identifies more about sound</li> </ul>	<ul style="list-style-type: none"> <li>➤Symposium</li> <li>Page No : 59, 60</li> </ul>
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**FA2 EXAM PORTIONS -2, 5, 13**

Sept	14. Chemical effects of electric current	<ul style="list-style-type: none"> <li>▪Conductivity of liquids</li> <li>▪Chemical effect of electric current</li> <li>▪Electroplating</li> </ul>	<ul style="list-style-type: none"> <li>•Applies knowledge of electric current in daily life</li> </ul>	<ul style="list-style-type: none"> <li>➤Reason based Worksheet</li> <li>Page No 61, 62</li> </ul>
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Sept	3. Synthetic fibres and plastics	<ul style="list-style-type: none"> <li>•Synthetic fibres</li> <li>•Types and characters of synthetic fibres</li> <li>•Plastic</li> <li>•Plastics and environment</li> </ul>	<ul style="list-style-type: none"> <li>•Understand synthetic fibres and plastics</li> </ul>	<ul style="list-style-type: none"> <li>➤Remedial Worksheet</li> <li>Page No: 13, 14</li> </ul>
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**SA 1 EXAM PORTIONS – FA1 + FA2**

Oct	6. Combustion and flame	<ul style="list-style-type: none"> <li>▪Combustion</li> <li>▪Types of combustion</li> <li>▪Flame</li> <li>▪Fuel efficiency</li> </ul>	<ul style="list-style-type: none"> <li>•Identifies fuels</li> </ul>	<ul style="list-style-type: none"> <li>➤Researched based Worksheet</li> <li>Page No: 29, 30</li> </ul>
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Oct ‘	7. conservation of plants and animals	<ul style="list-style-type: none"> <li>▪Deforestation and its causes</li> <li>▪Consequences</li> <li>▪Conservation of forest and wild life</li> <li>▪Biosphere reserve endemic species</li> <li>▪Wild life sanctuaries</li> <li>▪National park</li> <li>▪Recycling of paper</li> <li>▪Reforestation</li> </ul>	<ul style="list-style-type: none"> <li>•Understand the importance of Forest</li> </ul>	<ul style="list-style-type: none"> <li>➤Multidisciplinary project</li> <li>Page No 33, 34</li> </ul>
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Oct	8. Cell structure and functions	<ul style="list-style-type: none"> <li>▪Cell</li> <li>▪Parts of cell</li> <li>▪Functions of cell</li> <li>▪Comparison of plants and animals cells</li> </ul>	<ul style="list-style-type: none"> <li>•Identifies the different types of cells.</li> </ul>	<ul style="list-style-type: none"> <li>➤Check your knowledge</li> <li>Page No: 35, 36</li> </ul>
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Nov	16. Light	<ul style="list-style-type: none"> <li>▪Laws of refraction colour of sunlight</li> <li>▪Eye- structure and functions</li> <li>▪Braille system</li> </ul>	<ul style="list-style-type: none"> <li>•Understand the phenomenon of light</li> </ul>	<ul style="list-style-type: none"> <li>➤Integrated project</li> <li>Junk food</li> </ul>
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**FA 3 EXAM PORTIONS – 6, 7, 8, 16**

Nov	9. reproduction in Animals	<ul style="list-style-type: none"> <li>▪Modes of Reproduction</li> <li>▪Sexual reproduction</li> <li>▪Viviparous</li> <li>▪Oviparous animals</li> <li>▪Asexual reproduction</li> </ul>	<ul style="list-style-type: none"> <li>•Understands reproduction in animals</li> </ul>	<ul style="list-style-type: none"> <li>➤Quiz</li> </ul>
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Nov	10. Reaching the age of adolescence	<ul style="list-style-type: none"> <li>▪Adolescence and puberty</li> <li>▪Changes of puberty</li> <li>▪Secondary sexual characters</li> <li>▪Role of Hormones in initiative reproductive function</li> <li>▪Reproductive face of life in humans</li> <li>▪Hormones other than sex hormones</li> <li>▪Role of hormones in completing the life history of insects and frogs</li> </ul>	<ul style="list-style-type: none"> <li>•Identifies the changes in Adolescence</li> </ul>
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Dec	15. Some natural phenomena	<ul style="list-style-type: none"> <li>▪Lightening charge</li> <li>▪Story of lighting</li> <li>▪Earth Quakes</li> <li>▪Protection against earth Quakes</li> </ul>	<ul style="list-style-type: none"> <li>•Applies the knowledge of lightning daily life</li> </ul>	<ul style="list-style-type: none"> <li>➤Check your knowledge</li> <li>Page No: 65, 66</li> </ul>
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17. Stars and solar system

- The moon, the stars , constellation
- The solar system some other members of solar system

•Understands the solar system

➤Fact based worksheet

Page No: 75, 76

Dec

18. Pollution of Air and Water

- Air Pollution
- Greenhouse effect
- Water pollution
- Purification of water

•Applies the knowledge of pollution in daily life

➤Paper pencil test

Page No : 79, 80

**FA 4 EXAM PORTIONS – 9, 10, 15, 17, 18, 12**

**SA 2 EXAM PORTIONS – FA3 + FA4**

Dec

12. Friction

- Factors of affective friction
- Types of friction

•Applies the knowledge of friction in daily life

➤Worksheet

Page No : 115,116

# STD IX - CURRICULUM PLAN OF THE YEAR 2016- 17

## ENGLISH

MONTH	LITERATURE	OBJECTIVES & VALUES	ACTIVITIES
May	<b>MAIN READER</b>  1.How I Taught My Grandmother to read  2.The Brook	•Determination  •Far-sighted  •Caring	➤Creative response  •(Chapter -7) Page :27
	<b>MCB</b>  1.People  ▪CCE Worksheet : 7A-7C		
	<b>GRAMMAR</b>  1. Verb Forms  ▪ CCE Worksheet:1A-1C , 2A-2B		
	<b>WRITING</b>  ▪Diary Entry  ▪Speech		
	<b>LONG READING TEXT</b>  ▪Chapters-Part-I 1,2,3		
June	<b>MAIN READER</b>  3. The Road Not Taken	▪Decisive	➤Symposium  •(Chapter-4) Page:15
	<b>MCB</b>  2.Adventure  ▪CCE Worksheet:7D-7E		
	<b>GRAMMAR</b>  2.Determiners  ▪CCE Worksheet:3A-3B, 4A-4B		



## WRITING

- Paragraph writing

## LONG READING TEXT

- Chapters-4,5,6

July

### MAIN READER

- Determined

4. A Dog Named Duke

- Perseverance

## GRAMMAR

- CCE Worksheet:8A-8B

## WRITING

- Formal letter

- CCE Worksheet:5A-5B, 6A-6B

## LONG READING TEXT

- Chapters-7,8

**FA1 EXAMPORTIONS - MAIN READER-1,2,3MCB : 1,2GRAMMARL:  
1,2WRITING- ALL LONG READING TEXT - NIL**

Aug

### MAIN READER

- Practical, Clever

➤Paper pencil Test

5. Villa for Sale(Drama)

- Innocence

•(Chapter -7) Page :31

6. The solitary reaper

- Happiness

## MCB

3.Environment

- CCE Worksheet:13A-13B

## GRAMMAR

3.Future time reference

- CCE Worksheet:9A-9C

## WRITING

- Article

- CCE Worksheet:10 A-10B

**LONG READING TEXT Chapters-Part-II 9,10,11,12**

**FA2 EXAMPORTIONS-MAIN READER - 4,5,6MCB: 3GRAMMAR: 3WRITING–  
ALLLONG READING TEXT NIL**

Sep	<b>MAIN READER</b> 7. Lord Ullin's Daughter	•Sincerity •Faithfulness	➤Multidisciplinary Project •(Chapter -5)Page :21
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**MCB**

- CCE Worksheet:14A-14B

**GRAMMAR4.Modals**

- CCE Worksheet:11A-11B

**WRITING**

- Data Interpretation
- CCE Worksheet:12A-12B

**LONG READING TEXT**

- Chapters-13,14,15,16

**SA1 EXAMPORTIONS- MAIN READER1-7MCB:1-3GRAMMARL: 1-4WRITING-  
ALLLONG READING TEXT :1-16**

Oct	<b>MAIN READER</b> 8. The man who knew too much 9. The seven ages	•Intelligence •Simplicity •Determination	▪Poetic Structure & organizing story •(Chapter -15) Page No : 69
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**MCB**

- 4.The class IX radio show
- CCE Worksheet:15A-15C

**GRAMMAR**

- 5. Connectors

**WRITING**

- Dialogue writing

## LONG READING TEXT

▪Chapters-Part-III 17,18,19,20

Nov	<b>MAIN READER</b>	•Understanding	➤Integrated Project
	10. Keeping it from Harold	•Careful	▪Junk Food
	11. Oh, I wish I had looked After me teeth	•Obedient •Farsighted	

## MCB

5.Mystery

▪CCE Worksheet:15D -15E

## GRAMMAR

6.The passive

## WRITING

▪Informal letter

## LONG READING TEXT

▪Chapters-21,22,23,24

**FA3 EXAMPORTIONS-MAIN READER - 8,9,10,11 MCB: 4,5 GRAMMAR : 5,6 WRITING – ALLLONG READING TEXT - NIL**

Dec	<b>MAIN READER</b>	•Understanding,	➤Presentation & Discussion
	12.Best seller		
	13. Song of the rain	•Loving, determined •Love & sharing	•(Chapter -12) Page No : 57

## MCB

6.Children

▪CCE Worksheet:16A

## GRAMMAR

7.prepositions

## WRITING

▪E-mail

## **LONG READING TEXT**

▪Chapters-25,26,27

Jan

### **MAIN READER**

14. Bishop's Candlesticks(Drama) •Love  
•Mercy  
•Peace

➤Dramatization on  
Bishop's Candlesticks

### **MCB**

7.Sports and games

▪CCE Worksheet:16B

### **GRAMMAR**

8.Reported speech

### **WRITING**

▪Debate

## **LONG READING TEXT**

▪Chapters –Part-IV 28-33

**FA4 EXAMPORTIONS- MAIN READER - 12,13,14**

**MCB : 6,7**

**GRAMMAR : 7,8**

**WRITING- ALLLONG READING TEXT - NIL**

Feb

### **MAIN READER**

▪Revision

## **LONG READING TEXT**

▪Chapters-34-39

**SA2 EXAMPORTIONS-MAIN READER - 8 – 14MCB : 4-7**

**GRAMMAR : 5 – 8WRITING – ALLLONG READING TEXT : 17 - 39**

# MALAYALAM

<b>June</b>	1. എഴുപതുക്കാരുടെ യോഗം 2. അങ്ങേ വീട്ടിലേക്ക് 3. ഒരു ചെറുപുഞ്ചിരി 1,2,3,4 തേജസിയാ വാശി	സന്ധി സമാസം	ഉത്തരവാദിത്വ ബോധം	•വിമർശനകുറിപ്പ് തയ്യാറാക്കുക •കൊളാഷ് തയ്യാറാക്കുക
<b>FA1 Exam</b>				
<b>July</b>	4. മോഡേൺ ടൈംസ്- ആധുനിക കാലത്തിന്റെ ഉത്കണ്ഠകൾ 5. സഹപാഠികൾ	മഹാകാവ്യം സന്ധി	ജീവിതത്തിൽ യന്ത്രങ്ങളുടെ കടന്നുകയറ്റം സൗഹൃദ ബന്ധ- ത്തിന്റെ ആഴം	ഉപന്യാസം
<b>August</b>	5-9 തേജസിയാ വാശി (ഉപപാഠ പുസ്തകം)	അലങ്കാരം		Multi disciplinary project
<b>FA2 Exam</b>				
<b>September</b>	<b>Revision</b>			
<b>SA1 Exam 1,2,3,4,5 ഉപപാഠപുസ്തകം</b>				
<b>October</b>	6. കാട്ടിലേയ്ക്ക് പോകല്ലേ കുഞ്ഞേ 7. സമുദായങ്ങൾക്ക് ചിലതു ചെയ്യാനുണ്ട്	വൃഞ്ജന സന്ധി	സമൂഹത്തിൽ പതിയിരിക്കുന്ന അപകടങ്ങളെ തിരിച്ചറിയുക സമുദായങ്ങൾ വെറുമൊരു സംഘടന മാത്രമല്ല	ഉപന്യാസം
<b>November</b>	8. യാദവനാശം 10-14 തേജസിയാ വാശി	അനുപ്രാസം സന്ധി	ലഹരി വസ്തുക്കളുടെ ഉപയോഗം നാശത്തിനു കാരണമാകും	Integrated project
<b>FA3 Exam</b>				
<b>December</b>	9. കൊച്ചു കൊച്ചു മോഹങ്ങൾ 15, 16 തേജസിയാ വാശി	അംഗ- അംഗി	അമ്മയോടുള്ള സ്നേഹവും കരുതലും	Assignment
<b>January</b>	10. അന്നം 17,18,19 തേജസിയാ വാശി	അഭികമനം അനുകമനം	സകലതിനേയും നിയന്ത്രിക്കുന്നത് കാലമാണ്	കൊളാഷ്
<b>FA4 Exam</b>				
<b>February</b>	<b>Revision</b>			
<b>March</b>	<b>SA2 Exam 6,7,8,9,10 ഉപപാഠപുസ്തകം 10-19</b>			

## SOCIAL SCIENCE

MONTH	CHAPTERS	OBJECTIVES	ACTIVITIES
June	<p><b>HISTORY</b></p> <p>1. French Revolution</p> <ul style="list-style-type: none"> <li>▪ French society during 18<sup>th</sup> cy</li> <li>▪ outbreak of the Revolution</li> </ul> <p><b>GEOGRAPHY</b></p> <p>2. India Size and Location</p> <ul style="list-style-type: none"> <li>▪ India and Neighbours</li> </ul> <p><b>CIVICS</b></p> <p>3. Democracy in the world</p> <ul style="list-style-type: none"> <li>▪ Features of Democracy</li> </ul>	<ul style="list-style-type: none"> <li>• Role of philosophers</li> <li>• India's relations with neighbours</li> </ul>	<ul style="list-style-type: none"> <li>➤ DRAMA</li> <li>• Tennis Court Oath</li> </ul>
July	<p><b>CIVICS</b></p> <p>4. Why Democracy</p> <ul style="list-style-type: none"> <li>▪ Merit and de-merits of Democracy</li> </ul> <p><b>ECONOMICS</b></p> <p>5. The story of village Palampur</p> <ul style="list-style-type: none"> <li>▪ Organisation of production</li> </ul>	<ul style="list-style-type: none"> <li>• Positives and negative aspects</li> </ul>	<ul style="list-style-type: none"> <li>➤ MAP WORK</li> </ul>
<b>FA1 EXAM PORTIONS – 1, 2, 3, 4, 5</b>			
Aug	<p><b>HISTORY</b></p> <p>1. Nazism and Hitler</p> <ul style="list-style-type: none"> <li>▪ Hitler's Rise to power</li> </ul> <p><b>GEOGRAPHY</b></p> <p>2. Physiographic units</p> <ul style="list-style-type: none"> <li>▪ Major physiographical divisions</li> </ul> <p><b>GEOGRAPHY</b></p> <p>3. Drainage</p>	<ul style="list-style-type: none"> <li>• Reforms introduced by Hitler</li> <li>• Features of Indian constitution</li> </ul>	<ul style="list-style-type: none"> <li>➤ MULTIDISCIPLINARY PROJECT</li> <li>• Economics Chapter 1 Page no:33</li> <li>➤ COLLAGE</li> <li>• Water pollution</li> </ul>

- Himalayan and Peninsular rivers

## **CIVICS**

### 4. Constitutional Design

- Towards new constitution

## **ECONOMICS**

### 5. People as Resources

- Various Economic activities

## **FA2EXAM PORTIONS – 1, 2, 3, 4, 5**

Sep      **SA1EXAM**

## **SA1EXAM PORTIONS - FA1 + FA2**

Oct      **HISTORY**

### 1. Forest society and colonialism

- Rise of Commercial Forestry

- Changes in the pattern of Climate

- INTEGRETED PROJECT
- Junk Food

## **GEOGRAPHY**

### 2.Climate

- Factors affecting Climate

## **GEOGRAPHY**

### 3. Natural vegetation and wildlife

- Types of vegetation

Nov      **CIVICS**

### 4. Electoral Politics

- Election Campaign

- Functions of Election Commission

- POSTER DESIGN
- Depletion of Forest resources

## **ECONOMICS**

### 5. Poverty as a challenge

- Causes and remedies

## **FA3EXAM PORTIONS – 1, 2, 3, 4, 5**

Dec

## HISTORY

1. Clothing a social history
  - Clothing and notion of Beauty

- Different pattern of dresses
- Project changes in dressing pattern

## GEOGRAPHY

2. Population
  - Population growth

## CIVICS

3. Working of Democracy
  - Parliamentary form Government

- Functions of Parliament

Jan

## CIVICS

4. Democratic Rights
  - Rights in a Democracy

- Rights and Duties in a Democracy
- ASSIGNMENT
- Food security

## ECONOMICS

5. Food security in India
  - Role of cooperatives in Food security

**FA4 EXAM PORTIONS** – 1, 2, 3, 4, 5

Feb

## REVISION

**SA1EXAM PORTIONS** – FA3 + FA4

## INFORMATION TECHNOLOGY

MONTH	CHAPTERS	OBJECTIVES	LAB ACTIVITIES
June	1. Computer Fundamentals	<ul style="list-style-type: none"><li>➤Know about advanced Computer Devices.</li><li>➤Know about Different languages associated with Computer.</li><li>➤Know about different</li></ul>	<ul style="list-style-type: none"><li>•Form a group of two and Prepare a chart work differentiating interpreter and a compiler.</li><li>•Form a group of three and Prepare a chart work</li></ul>



		Application Software	Comparing Networks.
June	2. M S Word: Formatting and Mail Merge	<ul style="list-style-type: none"> <li>➤ Know about Networks.</li> <li>➤ Line spacing enables our document to feel more appealing.</li> <li>➤ TOC enables to list all chapters of the book along with their respective page numbers.</li> <li>➤ Mail merge helps you to create multiple letters with same content.</li> </ul>	<ul style="list-style-type: none"> <li>• Create a letter inviting your parent for a program held in your school.</li> <li>• Create the document that contains the following styles.</li> <li>• Set spacing in Word documents. (Heading 2).</li> <li>• Line Spacing.</li> <li>• Paragraph Spacing.</li> <li>• Add Symbols.</li> <li>• Apply similar formatting.</li> <li>• Use styles.</li> <li>• Use Format Painter.</li> <li>• Apply table of content.</li> <li>• Create multiple envelopes using Mail Merge Wizard.</li> </ul>
July	3. M S Word: Printing a Document	<ul style="list-style-type: none"> <li>➤ Different views help you to view your document in different way.</li> <li>➤ To set margins.</li> <li>➤ To set Header and Footer.</li> </ul>	<ul style="list-style-type: none"> <li>• Write an essay on Scholl picnic : do following-</li> <li>• See the document in different view and notice the changes.</li> <li>• Insert header as “My Picnic “.</li> <li>• Footer as Page Number.</li> <li>• Set all margins.</li> <li>• Preview the document</li> </ul>
<b>FA1 Chapters – 1, 2, 3</b>			
Aug	4. M S Excel: Advanced Features	<ul style="list-style-type: none"> <li>➤ To know how to use function in Excel.</li> </ul>	<ul style="list-style-type: none"> <li>• Create a worksheet with following content:-</li> <li>• First Row Family members names, Second Row Age. Third row family member’s adult/ Child. Use if function for age less than 18.</li> </ul>

			<ul style="list-style-type: none"> <li>•Next sheet write 5 states of India in Uppercase.</li> <li>•Next column Display in Lower Case.</li> <li>•Insert time and date using function.</li> <li>•Write your first and last name and display full name using concatenate function.</li> </ul>
Aug	5. MS Excel: Managing Data	➤Know about Sort, Filter, and import data.	<ul style="list-style-type: none"> <li>•Write your 5 friends name and place where they are living.</li> <li>•Sort the list in deseeding order of place where they are living.</li> <li>•Apply filter for place of living.</li> </ul>

**FA2 Chapters – 4, 5**

**SA1 Chapters – 1, 3, 4, 5**

Sep	6. MS PowerPoint: Advanced Editing and Formatting in a Presentation	➤Slide management in PowerPoint	<ul style="list-style-type: none"> <li>•Open PowerPoint.</li> <li>•Create 3 Slides about “Earth a Planet”.</li> <li>•In the Outline view create summary for the presentation.</li> <li>•In the slide sorter view duplicate the title slide and delete it.</li> <li>•Add note about each slide using notes page view.</li> <li>•Add date and time as header.</li> <li>•Save it as Earth.ppt.</li> </ul>
Oct	7. MS PowerPoint: Delivering a Presentation	➤To deliver you’re in PowerPoint	<ul style="list-style-type: none"> <li>•Open Earth.ppt.</li> <li>•Apply slide transition and animations.</li> </ul>

			<ul style="list-style-type: none"> <li>•Run the slide.</li> </ul>
Nov	8. MS Access: Using Tables.	➤To know more about table creation.	<ul style="list-style-type: none"> <li>•Create one table of your personal data with roll no as first column.</li> <li>•Use record navigator.</li> <li>•Apply Filter.</li> </ul>

### FA3 Chapters – 6, 7, 8

Dec	9. MS Access 2010: Using Relationships	➤Able to do Relationships in table.	<ul style="list-style-type: none"> <li>•Open personal database.</li> <li>•Create another table named Academic type 3 subject's mark with total with roll no as first column.</li> <li>•Delete relationship.</li> </ul>
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Dec	10. Introduction to C++.	➤Basic Programming Knowledge.	<ul style="list-style-type: none"> <li>•Calculate area of a square.</li> </ul>
Jan	11. C++: Variables and Data Types.	➤Basic Programming Knowledge.	<ul style="list-style-type: none"> <li>•Calculate Grade of a student.</li> <li>•Multiplication table.</li> </ul>

### FA4 Chapters – 9, 10, 11

Feb	12. C++: Accepting Input from Users	➤Basic Programming Knowledge.	<ul style="list-style-type: none"> <li>•Calculate net salary of an employee.</li> </ul>
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### SA2 Chapters – 8, 9, 10, 11, 12

## MATHEMATICS

MONTH	CHAPTER	OBJECTIVES	ACTIVITY
June	1. Number system	<ul style="list-style-type: none"> <li>▪Operations on numbers</li> <li>▪Decimal representation of rational numbers.</li> </ul>	<ul style="list-style-type: none"> <li>•Understands Number System</li> </ul>

▪Conversion of Decimal numbers to rational numbers.

▪Irrational numbers

▪Representing irrational numbers in number line.

▪Existence of square roots of a positive real number

## 2. Polynomials

▪Zeroes of a Polynomial

▪Polynomials in one variable.

▪Remainder theorems

▪Factor theorem

▪Algebraic identities

•Identifies Theorems in Polynomials

## 12. Herons formula

▪Areas of triangles Study remainder and factor theorem

▪Heron's formula in finding areas of quadrilaterals

•Understands Heron's Formula

➤C.C.E worksheet

➤Paper pencil test

Page no:3

July

## 3. Co-ordinate geometry

▪Cartesian system

▪Axioms, postulates

•Identifies graph

## 5. Introductions to Euclid Geometry

▪Euclid's Definitions, Axioms, postulates

▪Equivalent versions of Euclid's Fifth postulates

•Understands Euclid's Geometry

## FA1 EXAM PORTIONS- 1, 2, 12, 3, 5

Aug

## 6. Lines and angles

▪Basic terms

▪Parallel Line and transversal

•Applies angle sum properties

➤Multidisciplinary projects

▪Angle sum property

•English : Chapter : 5

Page No:21

### FA2 EXAM PORTION- 6

Sep

7. Triangles

- Congruence of Triangles
- Properties of Triangles
- Inequalities in Triangles

- Compares Geometrical figures from surroundings

### SA1 EXAM PORTIONS- 1, 2, 12, 3, 5, 6, 7

Oct

4. Linear equations in two variables

- Linear Equation
- Solution of a Linear Equation
- Graph of linear Equations in two variables

- Identifies Linear Equations

- Multidisciplinary Projects

- Junk foods

8. Quadrilaterals

- Types of Quadrilaterals
- Properties of Quadrilaterals

- Understands Quadrilaterals

Nov

9. Areas of parallelograms and triangles

- Relation between areas of triangle and parallelograms

- Identify areas of triangles and parallelograms

10. Circles

- Properties of Circle
- Cyclic Quadrilaterals

- Identifies Circles and its properties

### FA3 EXAM PORTIONS –4, 8, 9, 10

Dec

11. Construction

- Basic constructions
- Construction of Triangles

- Understands Construction of Geometrical Figures

- C.C.E work sheet - Graph based work sheet Page no:13,14

### 13. Surface area and volumes

- |                              |                        |
|------------------------------|------------------------|
| ▪Surface area and volumes of | •Understands areas and |
| ▪Cube                        | volumes of different   |
| ▪Circular Cylinder           | shapes                 |
| ▪Circular Cone               |                        |
| ▪ Sphere                     |                        |
| ▪Cuboid                      |                        |

Jan

### 14. Statistics

- |  |                                |
|--|--------------------------------|
| ▪Collection and representation of data | •Understands statistical terms |
| ▪Find Mean,Medium,Mode                 |                                |

### 15. Probability

- |                                       |                                      |
|---------------------------------------|--------------------------------------|
| ▪Probability an experimental approach | •Applies the knowledge in daily life |
|---------------------------------------|--------------------------------------|

**FA4 EXAM PORTIONS –11, 13, 14**

Feb

**Revision**

Mar

**Revision**

**SA1 EXAM PORTIONS- 4, 8, 9, 10, 11, 13, 14**

## **SCIENCE**

<b>MONTH</b>	<b>TOPIC</b>	<b>OBJECTIVES</b>	<b>ACTIVITY</b>
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June

**PHYSICS**

### 8. Motion

- |  |                        |                    |
|--|------------------------|--------------------|
| ▪Describing motion                       | ➤Understand motion and | ➤Paper pencil test |
| ▪Uniform and non uniform motion velocity | equations of motion    | •Page No - 3,4     |
| ▪Acceleration graphical                  |                        |                    |

- representation of motion
- Equation of motion uniform circular motion

## **CHEMISTRY**

### 1. Matter in our surroundings

- Physical nature of matter      ➤Understands matter
- Characters of particles of matter

## **BIOLOGY**

### 1. Fundamental unit of life

- 1.Microscope
- 2.Cell- structure
- 3.Types of cells
- 4.Cell components
- 5.Cell wall
- 6.Cell membrane
- 7.Ribosome
- 8.Golgi bodies
- 9.Mitochondria
10. Endoplasmic reticulum
11. Vacuoles

### 1.To learn about structure ➤Concept based

and functions of all cell      worksheet

organelles.      •Page No – 11, 12

July

## **PHYSICS**

### 9.Force and laws of motion

- Balance and unbalanced forces
- First law of motion
- Inertia and mass
- Second
- Law of motion and mathematical proof

- Third law of motion
- Conservation of momentum

## **CHEMISTRY**

### 1. Matter in our surroundings

- States of matter change of state      ➤Applies the law of daily life
- Evaporation

## **BIOLOGY**

### 2. Improvement in Food Resources

### 12. Improvements in crop yields

### 13. Manure

### 14. Fertilizers

### 15. Irrigation

### 16. Storage of grains

### 17. Animal Husbandry

### 18. Poultry farming

### 19. Fish production

### 20. Bee keeping

### 1. To study about different types of cultures.

## **FA 1 EXAM PORTIONS –BIOLOGY – 1, 2 CHEMISTRY – 1 PHYSICS - 8**

Aug

## **PHYSICS**

### 10. Gravitation

(Up to free fall)

- Gravitation
- Universal law of gravitation
- Free fall
- Mass and weight

➤Applies the law of daily life

➤Multidisciplinary Project

## **CHEMISTRY**

### 2. Is matter around us pure

- Mixture      ➤Identifies Matters and its forms
- Solution



- Suspension properties of mixture

### **BIOLOGY**

#### 3. Tissues

- |                             |                             |
|-----------------------------|-----------------------------|
| 21.Types of Tissues         | 1. To study about different |
| 22.Plant and Animal Tissues | types of plant and          |
| 23.Xylem ad Phloem          | Animal tissues              |
| 24.Epithelial tissue        |                             |
| 25.Connective tissue        |                             |
| 26.Nervous tissue           |                             |

### **FA 2 EXAM PORTIONS –BIOLOGY – 3 CHEMISTRY – 2PHYSICS - 10**

Sep

### **CHEMISTRY**

2. Is matter around us pure
- Solution and suspension
  - Separation of mixtures
  - Physical and chemical changes
  - Elements Compounds.

### **BIOLOGY**

- |   |                                |
|---|--------------------------------|
| 4. Diversity in Living Organisms        | 1.To study about different     |
| 27.Basis of Classification              | types of plant and Animal      |
| 28.Evolution and Classification         | Groups and its classifications |
| 29.Hierarchical order of classification |                                |
| 5. Kingdom classification               |                                |
| 30.Kingdom Plantae                      |                                |

### **SA 1 EXAM PORTIONS – BIOLOGY – 1, 2, 3, 4CHEMISTRY – 1, 2PHYSICS – 8, 10**

Oct

### **PHYSICS**

10. Gravitation
- (Thrust and pressure) ➤Applies the
- Thrust and pressure knowledge of daily life
  - Pressure in fluids

- Buoyancy
- Archimedes
- Principle
- Relative density

## **CHEMISTRY**

### 3. Atoms and Molecules

- Laws of chemical combination ➤Understand atoms
- Law of constant proportions molecules
- Atom
- Atomic mass

## **BIOLOGY**

- |  |                          |
|--|--------------------------|
| 31. Kingdom Animalia                     | 1. To study about        |
| 32. Phylum Porifera                      | different types of plant |
| 33. Phylum Coelenterata                  | and Animal Groups and    |
| 34. Phylum Platyhelminthus               | its classifications      |
| 35. Phylum Nematoda                      |                          |
| 36. Phylum Annelida                      |                          |
| 37. Phylum Arthropoda                    |                          |
| 38. Phylum Mollusca                      |                          |
| 39. Phylum Echnodermata                  |                          |
| 40. Phylum Protochondra                  |                          |
| 41. Sub phylum Vertebrata<br>(Chordates) |                          |
| 42. Class Pisces                         |                          |
| 43. Class Amphibia                       |                          |
| 44. Class Aves                           |                          |
| 45. Class Aves                           |                          |
| 46. Class Reptilia                       |                          |
| 47. Class Mammalia                       |                          |

Nov

## **PHYSICS**

- |                     |                  |                     |
|---------------------|------------------|---------------------|
| 11. Work and energy |                  |                     |
| ▪Work               | ➤Understand work | ➤Integrated project |
| ▪Energy             | and energy       | •Junk food          |
| ▪Forms of energy    |                  |                     |

- Power
- Commercial unit of energy.

## **CHEMISTRY**

### 3. Atoms and Molecules

- Molecule
- Ion
- Writing chemical formula
- Molecular mass and mole concept
- Mole concept

## **BIOLOGY**

### 6. Why do we fall ill?

- 48. Health and Diseases      1. To study about
- 49. Types of Diseases      Health and Hygiene
- 50. Route of Transmission
- 51. Immunity

**FA3 EXAM PORTIONS –BIOLOGY – 5, 6CHEMISTRY – 3PHYSICS – 10, 11**

## **PHYSICS**

### 12. Sound

- Production of sound      ➤Applies the knowledge      ➤Picture based worksheet
- Propagation of sound      of daily life      •Page No - 65,66
- characters of sound
- Reflection of sound
- Echo reverberation, application of sound
- Sonar structure of human ear

## **CHEMISTRY**

### 4. Structure of the Atom.

- Charged particles in matter      •To know about Atom
- Thomson's model of atom
- Rutherford's model of atom

- Electron distribution
- Valence
- Atomic number
- Mass number Isotopes and isobars.

## **BIOLOGY**

- |                             |                             |
|-----------------------------|-----------------------------|
| 7. Natural Resources        | 1. To study about different |
| 52. Air, water and Rain     | types of bio geochemical    |
| 53. Pollution-Air and water | cycles.                     |
| 54. Mineral riches in soil  |                             |

Jan

## **CHEMISTRY**

### 4. Structure of the Atom.

- Valence
- Atomic number
- Mass number Isotopes and isobars.

➤Figure based work sheet

•Page No - 49, 50

## **BIOLOGY**

7. Natural Resources
- 55. Biogeochemical cycles
  - 56. Water cycle
  - 57. Nitrogen cycle
  - 58. Carbon cycle
  - 59. Oxygen cycle
  - 60. Ozone layer
  - 61. Ozone layer depletion
  - 62. Greenhouse effect

**FA4 EXAM PORTIONS –BIOLOGY –7CHEMISTRY –4PHYSICS –12**

**SA2 EXAM PORTIONS –BIOLOGY –5, 6, 7CHEMISTRY –3, 4PHYSICS –10, 11, 12**

# STD X - CURRICULUM PLAN OF THE YEAR 2016- 17

## ENGLISH

MONTH	LITERATURE	OBJECTIVES & VALUES	ACTIVITIES
June	<b>MAIN READER</b> 1. Two gentlemen of Verona 2. The frog and the nightingale (poem)	•Sincerity, sacrifice, devotion •Innocence •Human qualities	➤Thematic understanding (Chapter - 7) Page :27
	<b>MCB</b> 1. Health and medicine ▪CCE worksheet:3a-3b, 4a-4b		
	<b>GRAMMAR</b> 1. Determiners ▪CCE worksheet:1a-1c, 2a-2b		
	<b>WRITING</b> ▪Diary entry, speech ▪CCE worksheet: 5a-5b		
	<b>LONG READING TEXT</b> ▪Chapters: 1,2,3		
June	<b>MAIN READER</b> 3. Mrs. Packletide's tiger 4. Mirror(poem)	•To protect the wildlife & environment •Impartial, truthful	
	<b>MCB</b> 2. Education ▪CCE worksheet: 7a-7c		
	<b>GRAMMAR</b> 2. Tenses		
	<b>WRITING</b> ▪Paragraph Writing ▪Formal letter		

## LONG READING TEXT

- Chapters: 4,5

July

### MAIN READER

- Serving the old people ➤ Role play on

5. The dear departed (Drama)

‘The dear departed’

### MCB

- CCE worksheet: 7d-7e, 8a-8b

### GRAMMAR

3. Subject- verb agreement

### WRITING

- Article
- CCE worksheet: 6a-6b

## LONG READING TEXT

- Chapters: 6,7

**FA1 EXAM PORTIONS - MAIN READER- 1, 2, 3, 4    MCB - 1, 2 GRAMMAR - 1, 2, 3**  
**WRITING - ALL LONG READING TEXT - NIL**

Aug

### MAIN READER

6. The letter

- Optimism

➤ Application based

7. Not marble, nor the  
gilded monuments

- Faith
- Power of literary art

worksheet (Chapter -5  
Page :19

### MCB

3. Science

- CCE worksheet: 13a-13b,  
14a-14b

➤ Multidisciplinary project  
(Chapter:5) Page No :21

### GRAMMAR

4. Non-finites
5. Relatives
6. Connectors
7. Conditionals

## **WRITING**

- Data interpretation
- CCE worksheet: 9a-9c,  
10a-10b, 11a-11b

## **LONG READING TEXT**

- Chapters:8,9,10,11

**FA2 EXAM PORTIONS - MAIN READER -5,6,7 MCB :3 GRAMMAR- 4, 5, 6, 7**  
**WRITING –ALL LONG READING TEXT - NIL**

Sept **MAIN READER**

- Revision

## **LONG READING TEXT**

- Chapters:12,13,14

**SA1 EXAM PORTIONS - MAIN READER -1-7 MCB - 1-**  
**3GRAMMAR — 1-7 WRITING – ALL LONG READING TEXT - 1-14**

Oct **MAIN READER**

- 8. A shady plot •Logical reasoning ➤Extempore(Chapter:12)
- 9. Ozymandias •Power of elements Page No :57

## **MCB**

- 4. Environment
- CCE worksheet:15a-15c

## **GRAMMAR**

- 8. Comparison
- 9. Avoiding repetition

## **WRITING**

- Dialogue WRITING

## **LONG READING TEXT**

- Chapters-15,16

Nov	<b>MAIN READER</b>	➤Dedication	➤Integrated project-
	10. Patolbabu, a film star	➤Perfection	Junk food
	11. The rime of the ancient mariner	➤Adventurous	
		➤Simple-hearted	

**MCB**

- 5. Travel and tourism
  - CCE worksheet:15d-15e

**GRAMMAR**

- 10. Nominalization
- 11. Modals

**WRITING**

- Informal letter

**LONG READING TEXT**

- Chapters-17,18

**FA3 EXAM PORTIONS - MAIN READER - 8, 9, 10, 11      MCB : 4,5**  
**GRAMMAR : 8, 9, 10, 11      WRITING - ALL      LONG READING TEXT - NIL**

Dec	<b>MAIN READER</b>	•Intelligence	➤Personality traits
	12. Virtually true	•Credulous	analysis (Chapter:15)
	13. Snake	•Sympathetic	Page No :75
	14. Julius Caesar (Drama)	•Love and admiration	

**MCB**

- 6. National integration : 16a-16b

**GRAMMAR**

- 12. Active and passive
- 13. Prepositions

**WRITING**

- E-mail

**LONG READING TEXT**

- Chapters-19,20





<b>October</b>	6 ഉരുളി കുന്നത്തിന്റെ ലുത്തിനിയ 7. അടുത്തുണ്ട്	മഹാവാക്യം	ശ്രാമത്തോടുള്ള സ്നേഹം	Assignment
<b>November</b>	8. സൗന്ദര്യപൂജ 7-10 മുതസഞ്ജീവനി	വൃഞ്ജന സന്ധി	പ്രകൃതിയോടിണങ്ങി ജീവിക്കുക	Integrated project
<b>FA3 Exam</b>				
<b>December</b>	9. എന്തൊക്കെയോ നഷ്ടപ്പെട്ട ഒരാൾ 11-13 മുതസഞ്ജീവനി	വിധി നിഷേധം	ഉചിതമായ സമയത്ത് തീരുമാനങ്ങൾ കൈക്കൊള്ളുക	Assignment
<b>January</b>	10. ആസ്സാം പണിക്കാർ 14-15 മുതസഞ്ജീവനി			
<b>FA4 Exam</b>				
<b>February</b>	<b>Revision</b>			
<b>March</b>	<b>SA2 Exam</b>			

## SOCIAL SCIENCE

MONTH	CHAPTERS	OBJECTIVES	ACTIVITIES
June	<b>HISTORY</b>		
	1 The Age of Industrialisation	▪Proto-industrialisation	▪Features of Industrial system
	<b>GEOGRAPHY</b>		
	2 Resources and Development	▪Conservation of resources	➤COLLAGE
	▪Types of resources		▪Deforestation in India
	<b>GEOGRAPHY</b>		
	3 Forest and wildlife resources		
	Classification of Soil	▪Colour and composition	
July	<b>CIVICS</b>		
	4. Power sharing	▪Power sharing among various organ	
	▪Forms of power		➤MAP WORK

## **CIVICS**

Role of local Government

### 5. Federalism

- Decentralisation

## **ECONOMICS**

### 6. Development

- National development

**FA1 EXAM PORTIONS**– 1, 2, 3, 4, 5, 6

Aug

## **HISTORY**

### 1. Novels , Society and History

- Rise of Novels

▪Different types  
of Novels

➤MULTIDISPLINARY

PROJECT Geography

Chapter 3 - Page No:27

## **GEOGRAPHY**

### 2. Water resources

- Types of Farming

▪Importance of  
agriculture

## **GEOGRAPHY**

### 3. Agriculture

- Rainwater Harvesting

## **CIVICS**

### 4. Gender , Religion and Caste

- Social Differences

▪Types of Diversities  
in society

➤CHART WORK

Gender equality

## **CIVICS**

### 5. Democracy and Diversity

- Caste and Politics

▪Role of Politics in our  
Country

## **ECONOMICS**

### 6. Sectors of the Indian

economy

- Three sectors of economy

**FA2 EXAM PORTIONS – 1, 2, 3, 4, 5, 6**

Sept SA1 exam portions – FA1 + FA2

Oct **HISTORY**

1. The Nationalist movement in Indo china

▪French control in Vietnam

➤INTEGRETED PROJECT Junk Food

- The Dilemma of Colonial education

**GEOGRAPHY**

2. Minerals and energy resources

▪Conservation of energy resources

- Energy resources

**CIVICS**

3. Popular struggles and movements

- Pressure groups and movements

Nov **CIVICS**

4. Political parties

- Functions of Political parties

▪National and Regional Parties

➤Powerpoint Presentation  
•Multiparty system

**ECONOMICS**

5. Money and Credit

- Credit system

▪Formal and Informal Credit system

**ECONOMICS**

6. Globalisation and the Indian economy

- Globalisation in India

▪Impact of Globalisation in India

**FA3 EXAM PORTIONS – 1, 2, 3, 4, 5, 6**

Dec **HISTORY**

1. Nationalism in India      ■Contribution of Gandhi ➤PROJECT  
 •Towards Civil disobedience movement      •Impact of Globalisation in India

**GEOGRAPHY**

2. Manufacturing Industries      ■Various types of Industries  
 •Classification of Industries

**GEOGRAPHY**

3. Life Line of National economy      ■Means of Transport System  
 •Transport system

Jan **CIVICS**

4. Outcomes of Democracy  
 •Positive and negative aspects

**CIVICS**

5. Challenges to Democracy      ■Aftereffects of Democracy ➤SEMINAR  
 •Three challenges of Democracy      ■Problems facing Democracy      •Challenges to Democracy

**ECONOMICS**

6. Consumer Rights  
 •Consumer Rights

**FA4 EXAM PORTIONS – 1, 2, 3, 4, 5, 6**

Feb **REVISION**

**SA2 EXAM PORTIONS – FA3 + FA4**

**INFORMATION TECHNOLOGY**

<b>MONTH</b>	<b>CHAPTERS</b>	<b>OBJECTIVES</b>	<b>LAB ACTIVITIES</b>
June	1.Internet: Transferring Files	➤Know about FTP Sites.	•Crete an assignment about FTP sites.

June	2. MS Access: Working with forms.	➤ Know about Forms in Access.	<ul style="list-style-type: none"> <li>● Create one table of your personal data with roll no as first column.</li> <li>● Apply form option using Form Wizard.</li> <li>● Save the database as Personal</li> </ul>
July	3. MS Access: View Data Using Reports.	➤ To generate Report.	<ul style="list-style-type: none"> <li>● Open Personal database.</li> <li>● Generate Report of the database.</li> </ul>

### FA1 Chapters – 1, 2, 3

July	5. MS Access: Printing Data from Database.	➤ To know how to take print.	<ul style="list-style-type: none"> <li>● Open Personal database.</li> <li>● View database's print preview.</li> </ul>
Aug	6. C++: Using Operators	➤ Know About different operators of C++.	<ul style="list-style-type: none"> <li>● Do Program for Adding 3 numbers.</li> <li>● Calculate basic pay of an employee</li> <li>● Calculate average mark of student</li> </ul>
Aug	7. C++: Control Statements	➤ Know About different control statements of C++	<ul style="list-style-type: none"> <li>● Check which number smallest among three numbers.</li> <li>● Display day name with switch statement.</li> </ul>

### FA2 Chapters – 5, 6, 7

#### SA1 Chapters - 1, 3, 5, 6, 7

Sep	9. HTML: Introduction	➤ To know about creation of Web pages.	<ul style="list-style-type: none"> <li>● Create one HTML file about yourself using basic tags.</li> <li>● Add comments.</li> <li>● Save it as personal.html</li> </ul>
Oct	10. HTML: Basic Text Tags	<ul style="list-style-type: none"> <li>➤ To know about creation of Web pages.</li> <li>➤ Include Formatting Tags</li> </ul>	<ul style="list-style-type: none"> <li>● Open personal.html.</li> <li>● Add different formatting for each line</li> </ul>
Nov	11. HTML: Advanced Options	<ul style="list-style-type: none"> <li>➤ To know about creation of Web pages.</li> <li>➤ Including DIV, List, and Symbol in Your file.</li> </ul>	<ul style="list-style-type: none"> <li>● Create one Bank Web site.</li> <li>● Different services provided by the bank in bulleted list.</li> </ul>

### FA3 Chapters – 9, 10, 11

Dec	12. HTML: Editing Page Properties	➤ To know about creation of Web pages.	<ul style="list-style-type: none"> <li>● Open personal.html.</li> <li>● Add different Background color and font color.</li> </ul>
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		➤Apply font color and background for your website.	
Dec	13. HTML: Adding Images and Marquee.	➤To know about creation of Web pages. ➤Apply Marquee for your website.	•Open personal.html. •Add heading as Marquee.
Jan	15. HTML: Inserting Tables.	➤Knowledge about inserting tables.	•Add your favorite things in Table format.

**FA4 Chapters – 12, 13, 15**

**SA2 Chapters – 9, 10, 11, 12, 13, 15**

## **MATHEMATICS**

<b>MONTH</b>	<b>CHAPTERS</b>	<b>OBJECTIVES</b>	<b>ACTIVITY</b>	
June	2. Polynomials	<ul style="list-style-type: none"> <li>▪Geometrical meaning of the zeroes</li> <li>▪Relationship between zeroes and coefficient of a polynomial</li> <li>▪Division algorithm for polynomial</li> </ul>	<ul style="list-style-type: none"> <li>•Understand Number system</li> </ul>	<ul style="list-style-type: none"> <li>➤C.C.E work sheet</li> <li>graph based work sheet Page No:7, 8</li> </ul>
	1. Real numbers	<ul style="list-style-type: none"> <li>▪Euclid's division Lemma</li> <li>▪Fundamental theorem of arithmetic</li> <li>▪Resisting irrational numbers</li> <li>▪Revisiting rational numbers and their decimal expansions</li> </ul>	<ul style="list-style-type: none"> <li>•Identify rational and irrational numbers</li> </ul>	
July	3. Pair of linear equation in two variables	<ul style="list-style-type: none"> <li>▪Pair of linear equations in two variables</li> <li>▪Graphical methods of solution of a pair of linear equations</li> <li>▪Algebraic methods of solving a pair of linear equations</li> </ul>	<ul style="list-style-type: none"> <li>•Solves linear equation in different methods</li> </ul>	

#### 14. Statistics

- Mean of grouped data
  - Mode of grouped data
  - Median of grouped data
  - Graphical representation of cumulative frequency distribution
- Understands mean, medium, mode

#### FA1 EXAM PORTIONS – 2, 1, 3, 14

Aug

#### 6. Triangles

- Similar figures
  - Similarity of triangles
  - Criteria for similarity of triangle
  - Area of similar triangles
  - Pythagoras theorem
- Study about those figures which have the same shape but not necessarily the same size.
- Multidisciplinary projects English :  
Page No:21

#### Fa2exam portion – 6

Sept

#### 8. Introduction trigonometry

- Trigonometry ratios and angles, identities
- To identify the angles of a triangle

#### Sa1 exam portions – 2, 1, 3, 14, 6, 8

Oct

#### 4. Quadratic equation

- Solution of Quadratic equation by factorisation
  - Solution of quadratic equation by completing the square
- To know about quadratic equation
- Multi-disciplinary projects
- Junk foods

#### 5. Arithmetic progression

- $n^{\text{th}}$  term of an AP
  - Sum of first  $n$  term of an AP
- Understand how succeeding terms are obtained by adding a fixed number to preceding terms.

#### 7. Co-ordinate Geometry

- Distance formula
  - Section formula
  - Area of a triangle
- Understand co-ordinate geometry



Nov	<p>9. Some applications of trigonometry</p> <ul style="list-style-type: none"> <li>▪ Heights and distance</li> </ul>	<ul style="list-style-type: none"> <li>• Understand how Trigonometry is used in finding heights and distances of various objects, without actually measuring them</li> </ul>	
	<p>11. Constructions</p> <ul style="list-style-type: none"> <li>• Division of a line segment</li> <li>• Construction of tangents to a circle</li> </ul>	<ul style="list-style-type: none"> <li>• Understand some more constructions</li> </ul>	
	<b>FA3 EXAM PORTIONS– 4, 5, 7, 9, 11</b>		
Dec	<p>10. Circles</p> <ul style="list-style-type: none"> <li>▪ Tangent of a circle</li> <li>▪ Number of tangents from a point on a circle</li> </ul>	<ul style="list-style-type: none"> <li>• Understand Circles and its tangents</li> </ul>	<ul style="list-style-type: none"> <li>➤ C. C. E work sheet crossword</li> <li>• Page No : 59,60</li> </ul>
	<p>12. Area related to circles</p> <ul style="list-style-type: none"> <li>▪ Perimeter and area of a circle</li> <li>▪ Areas of a sector and segment of a circle</li> <li>▪ Areas of combinations of plane figures</li> </ul>	<ul style="list-style-type: none"> <li>• Applies the knowledge in finding areas of two special parts of a circular region</li> </ul>	
Jan	<p>13. Surface area and volumes</p> <ul style="list-style-type: none"> <li>▪ Surface area of a combination of solids</li> <li>▪ Volume of a combination of solids</li> <li>▪ Conversion of solid from one shape to another</li> <li>▪ Frustum of a cone</li> </ul>	<ul style="list-style-type: none"> <li>• Studies finding of the surface area and volume of solid objects</li> </ul>	

- 15. Probability
  - Probability a theoretical approach
- Studies the theoretical probability of an event

**FA4 EXAM PORTIONS – 15, 13, 12, 10**

Feb            **Revision**

**SA2 EXAM PORTIONS – 4, 5, 7, 9, 11,15, 13, 12, 10**

## **SCIENCE**

<b>MONTH</b>	<b>CHAPTERS PROJECT</b>	<b>OBJECTIVES</b>	<b>ACTIVITIES/PPT/</b>
--------------	-----------------------------	-------------------	------------------------

June

**PHYSICS**

12. Electricity

- |  |   |
|--|---|
| <ul style="list-style-type: none"> <li>▪Electric current and circuit</li> <li>▪electric potential</li> <li>▪Potential difference</li> <li>▪Ohm ‘s law - Resistance and factors affecting it,</li> <li>▪Resisters in series</li> <li>▪Resisters in parallel</li> <li>▪Heating effect of electrical current</li> <li>▪Electric power.</li> </ul> | <ul style="list-style-type: none"> <li>•Understands electricity and terms related to it.</li> </ul> |
|--|---|

## **CHEMISTRY**

1. Chemical reactions and equations

- |  |  |   |
|--|--|---|
| <ul style="list-style-type: none"> <li>▪Chemical equations</li> <li>▪Balanced chemical equation</li> <li>▪Types of chemical reactions</li> <li>▪Effects of oxidation and reduction in daily life.</li> </ul> | <ul style="list-style-type: none"> <li>•Understand chemical reactions</li> </ul> | <ul style="list-style-type: none"> <li>➤Activity based work sheet</li> <li>•Page No : 1, 2</li> </ul> |
|--|--|---|

## **BIOLOGY**

### 6. Life Process

- |   |                          |                       |
|---|--------------------------|-----------------------|
| 1. Nutrition in Human beings                | •For understanding about | ➤Concept based        |
| 2. Autotrophic and Heterotrophic Nutrition. | basic concepts           | Worksheet.            |
| 3. Human digestive system.                  | ➤Nutrition               | •Label the diagram of |
| 4. Respiration                              | ➤Respiration             | Human respiratory     |
|   | ➤Transport and Excretion | system. Page No.15,16 |
|   | in plants and Animals.   |                       |

July

## **PHYSICS**

13. Magnetic effect of electric current
- Magnetic field
  - Magnetic field due to electrical current carrying conductor
  - Straight conductor
  - Right-hand thumb rule
  - Field due to circular loop, solenoid

## **CHEMISTRY**

### 2. Acids bases and Salts.

- Acids and bases in laboratory
  - Reaction of acids and bases
  - Strong and weak acids and bases
  - Importance of PH in everyday life
  - More about salts
- Identifies the proportion of acids and bases.

## **BIOLOGY**

6. Life Process
5. Transportation
6. Respiratory system
7. Heart
8. Excretion-plants/Animals

### **FA1 EXAM PORTIONS PHYSICS –12, 13 CHEMISTRY –1, 2 BIOLOGY – 6**

Aug

## **PHYSICS**

13. Magnetic effect of electric current
  - Force on a current carrying conductor in a magnetic field
  - Electric motor, Electromagnetic induction
  - Electric generator
  - Domestic electric circuits

➤Multidisciplinary project

## **CHEMISTRY**

3. Metals and non-metals
    - Physical proportion of metals and non – metals
    - Chemical properties
    - Reactions of metals and non – metals
    - Reactivity series
- Understand more about metals non-metals

## **BIOLOGY**

7. Control and Coordination
    1. Nervous system
    2. Neuron
    3. Reflex action
    4. Brain
    5. Coordination in plants
1. To study about our Brain and its function

### **FA2 EXAM PORTIONS PHYSICS –13 CHEMISTRY –3 BIOLOGY – 7**

Sept

## PHYSICS

### 14. Sources of Energy

- Good sources of energy
- Conventional sources of energy
- Improvements in the technology
- For using conventional sources of energy
- Alternative sources of energy
- Environmental consequences

• Applies the knowledge of energy sources in daily life.

## CHEMISTRY

### 3. Metals and non-metals

- Occurrence of metals
- Extraction of metals
- Corrosion

## BIOLOGY

### 7. Control and Coordination

#### 6. Plant movements

#### 7. Glands and hormones

**SA1 EXAM PORTIONS PHYSICS –12, 13 CHEMISTRY –1, 2,3 BIOLOGY – 6, 7**

Oct

## PHYSICS

### 10. Light Reflection and refraction

- Reflection of light
- Spherical mirror
- Image formation by spherical mirrors
- Uses of spherical mirrors
- Mirrors formula and magnification

• Understand Mirrors and lens

➤ Test your knowledge  
• Page No - 61, 62

- Refraction of light
- Refraction through glass slab

## CHEMISTRY

### 4. Carbon and its Compounds.

- Covalent bonds
- Versatile nature of carbon
- Saturated and unsaturated carbon
- Chains, Branches and rings
- Homologues series
- Nomenclature of carbon Compounds

## BIOLOGY

- |  |  |   |
|--|--|---|
| <p>8. How do organisms Reproduce?</p> <p>1. Variations</p> <p>2. Reproduction-plants and Animals.</p> <p>3. Sexual reproduction in plants and Animals</p> <p>4. Asexual reproduction</p> <p>5. Reproductive Health</p> <p>6. Contraceptive methods</p> | <ul style="list-style-type: none"> <li>•To study about Reproduction in plants and animals (asexual &amp;sexual).</li> <li>•Reproductive Health – need for and methods of family planning.</li> <li>•Safe sex us HIV/AIDS.</li> <li>•Child bearing and Women’s Health.</li> </ul> | <ul style="list-style-type: none"> <li>➤Integrated Project</li> <li>•Junk Food</li> </ul> |
|--|--|---|

Nov

## PHYSICS

10. Light Reflection and refraction
- Refraction by spherical lenses
  - Image formation by lenses
  - Lens formula over of lens

## **CHEMISTRY**

4. Carbon and its Compounds. •Understand Carbon and its compounds
- Chemical properties
  - Carbon compounds
  - Ethanol and Ethanoic acids
  - Soaps and detergents.

## **BIOLOGY**

8. Heredity and Evolution
1. Heredity and Variation 1.To study about traits and its features.
  2. Mendel's Experiment
  3. Traits 2.To study about how does speciation occurs.
  4. Evolution and Classification
  5. Speciation
  6. Fossils
  7. Evolutionary stages
  8. Evolution and Progress.

## **FA3 EXAM PORTIONS PHYSICS –10 CHEMISTRY –4BIOLOGY – 8**

### **Dec PHYSICS**

11. The Human eye and the colourful world •Identifies Human eye
- Human eye
  - Power of accommodation
  - Defects of vision and their corrections
  - Refraction of light through prism Dispersion
  - Atmospheric refraction
  - Scattering of light Colour of sky.

## CHEMISTRY

### 5. Periodic classification of Elements

- Early attempts at its classification
- Of elements
- Mendeleev's periodic table
- Understand Periodic table

## BIOLOGY

### 15. Our Environment

- |                             |                    |
|-----------------------------|--------------------|
| 1. Ecosystem-Meaning, types | 1.To learn about   |
| 2. Food chain, food web     | Ecosystem and      |
| 3. Ozone layer              | Garbage management |
| 4. Garbage Management       |                    |

Jan

## CHEMISTRY

### 5. Periodic classification of Elements

- |                                      |                            |                         |
|--------------------------------------|----------------------------|-------------------------|
| •Modern periodic table               | •Understand Periodic table | Diagram based worksheet |
| •Trends in the modern periodic table |                            | P 49, 50                |

## BIOLOGY

### 16. Management of Natural Resources

- |                            |                            |
|----------------------------|----------------------------|
| 1.Pollution- Air and water | 1.To learn about pollution |
| 2.Forest and wildlife      | and its control measures.  |
| 3.Stakeholders             |                            |
| 4.3 R'S                    |                            |
| 5.Sustainable Development  |                            |
| 6.Water Harvesting         |                            |
| 7.Coal and Petroleum.      |                            |

**FA4 EXAM PORTIONS PHYSICS –16 CHEMISTRY –5 BIOLOGY –15, 16**

Feb **Revision**

**SA2 EXAM PORTIONS PHYSICS –10, 11 CHEMISTRY –4, 5 BIOLOGY –8, 15, 16**