CURRICULUM OF CLASS X 2022-23

ENGLISH

General Objectives:

To enable the learner-

- recognize the organization and identify the main points of a text
- to communicate effectively and appropriately in real life.
- to use English effectively for study purpose across the curriculum
- to develop and integrate the use of the four language skills i.e. reading, listening, speaking and writing.
- to develop interest in and appreciation of English Language .
- to revise and reinforce structure already learnt.

S.No	TOPIC	SUB - TOPIC	METHODOLOGY/TEACHING AIDS	LEARNING OBJECTIVES
1	First Flight	1. A Letter to God	 Interactive Approach Reading And Explanation Class Discussion/Group Discussion Power Point Presentation Art Integrated Activity – Performing Art Letter writing & Dialogue Writing 	 to comprehend the text to enrich the vocabulary to imbibe the lesson contained in the story
1A	(Poetry)	Dust of Snow	 Recitation, paraphrasing and explanation of theme text book Power Point Presentation 	 Listen, recite and understand the theme of the poem. Speak /recite with accuracy following the overall rhythm in a lyrical way. Understand 'form' in a literary text such as rhyme, rhythm and literary devices

APRIL – 21 Days

1B	(Poetry)	Fire and Ice	 Recitation, paraphrasing and explanation of theme text book Power Point Presentation 	 Attempt the exercise based on the poem. Express and argue a point clearly and effectively. Identify the literary devices like simile, alliteration, metaphor, repetition. Identify the rhyme scheme and the rhyme pairs. to read for thematic understanding and pleasure to know about poetic devices
2.	(Fiction)	Nelson Mandela: Long Walk to Freedom	 Reading And Explanation Class Discussion/Group Discussion Power Point Presentation Art Integrated Activity – Performing Art – Role Play 	 to read for thematic understanding and pleasure to jot down ideas correctly to analyse, interpret and evaluate ideas in the text
2B.	(POETRY)	A Tiger In the Zoo	 Recitation, paraphrasing and explanation of theme text book Power Point Presentation 	 to read for thematic understanding and pleasure to know about poetic devices
ЗА	Writing Skills	Analytical Paragraph	Format DiscussionWhite BoardPower Point Presentation	 to understand and apply the formats correctly To use new vocabulary
3B	Writing Skills	Letter-Writing	Format DiscussionWhite BoardPower Point Presentation	 to understand and apply the formats correctly To use new vocabulary

	MAY - 21 Days				
1.	FOOTPRINTS WITHOUT FEET	A Triumph of Surgery	 Reading and explanation of the text Class Discussion/Group Discussion , White Board Power Point Presentation 	 to read for thematic understanding to read for pleasure to enrich the vocabulary 	
2.	FOOTPRINTS WITHOUT FEET	The Thief's Story	 Reading and explanation of the text Class Discussion/Group Discussion , White Board Power Point Presentation 	 to read for thematic understanding to read for pleasure to enrich the vocabulary 	
3	FIRST FLIGHT	Two stories about Flying	 Reading and explanation of the text Class Discussion/Group Discussion, White Board Power Point Presentation Art Integrated Activity- Story Writing 	 to read for thematic understanding to read for pleasure to enrich the vocabulary 	
ЗА	POETRY	How to tell Wild Animals	 Reading and explanation of the text Class Discussion/Group Discussion , White Board Power Point Presentation Art Integrated Activity- Story Writing 	 to read for thematic understanding and pleasure to know about poetic devices 	
3B	POETRY	The Ball Poem	 Reading and explanation of the text Class Discussion/Group Discussion , White Board Power Point Presentation Art Integrated Activity- Story Writing 	 to read for thematic understanding and pleasure to know about poetic devices 	

JULY – 25 days

1	First Flight	From the Diary of Anne Frank	 Reading and explanation of the text Class Discussion/Group Discussion , White Board Power Point Presentation Art Integrated Activity- Story Writing Report Writing as a correspondent 	 To comprehend the text To read for information and pleasure To jot down ideas correctly
1B	(Poetry)	Amanda	 Reading and explanation of the text Class Discussion/Group Discussion , White Board Power Point Presentation 	 to read for thematic understanding and pleasure to know about poetic devices
2	First Flight	2. The Hundred Dresses-1	 Reading and explanation of the text Class Discussion/Group Discussion , White Board Power Point Presentation 	 to read for thematic understanding to read for pleasure to enrich the vocabulary
3	First Flight	The Hundred Dresses - II	 Reading and explanation of the text Class Discussion/Group Discussion , White Board Power Point Presentation 	 To comprehend the text To read for information and pleasure To jot down ideas correctly
			AUGUST – 22 DAYS	

AUGUSI . - 22 DAIS

3B	Poetry	Animals	 Reading and explanation of the text Class Discussion/Group Discussion White Board Power Point Presentation 	 to read for thematic understanding and pleasure to know about poetic devices
4	Grammar Skills	Reported speech, gap-filling, Editing etc.	White BoardPower Point Presentation	 to enable the students to enhance their grammar skills

5	FOOTPRINTS WITHOUT FEET	The Midnight Visitor	 Reading and explanation of the text Class Discussion/Group Discussion White Board Power Point Presentation 	 To comprehend the text To read for information and pleasure To jot down ideas correctly
6	Footprints without Feet	A Question of Trust	 Reading and explanation of the text Class Discussion/Group Discussion White Board Power Point Presentation School/Newspaper 	 To comprehend the text To read for information and pleasure To jot down ideas correctly
7	FOOTPRINTS WITHOUT FEET	Footprints without feet	 Reading and explanation of the text Class Discussion/Group Discussion White Board Power Point Presentation 	 To comprehend the text To read for information and pleasure To jot down ideas correctly
		SEP	TEMBER – 14 DAYS	

1	First Flight	Glimpses of India a. A Baker from Goa b. Coorg c. Tea From Assam	 Reading and explanation of the text Class Discussion/Group Discussion White Board Power Point Presentation 	 to read for thematic understanding to read for pleasure to enrich the vocabulary
1D	Poetry	The Trees	 Reading and explanation of the text Class Discussion/Group Discussion White Board 	 to read for thematic understanding and pleasure to know about poetic devices

OCTOBER – 21 DAYS

1	Footprints without Feet	The making of a scientist	•	Reading and explanation of the text Class Discussion/Group Discussion	 to appreciate the simplicity of thoughts and ways of
			•	White Board	expression to imbibe the lesson conveyed
			•	Power Point Presentation	to implue the lesson conveyed

2	FOOTPRINTS WITHOUT FEET	5 The Necklace	 Reading and explanation of the text Class Discussion/Group Discussion White Board Power Point Presentation 	
3	First Flight	1. Mijbil the otter	 Reading and explanation of the text Class Discussion/Group Discussion White Board Power Point Presentation 	
3B	Poetry	Fog	 Reading and explanation of the text Class Discussion/Group Discussion White Board 	
			NOVEMBER – 20 DAYS	<u>.</u>
1	First Flight	Madam Rides the Bus	 Reading and explanation of the text Class Discussion/Group Discussion White Board Power Point Presentation 	 to appreciate the simplicity of thoughts and ways of expression to imbibe the lesson conveyed
1B	Poetry	The Tale of Custard the Dragon	 Reading and explanation of the text Class Discussion/Group Discussion White Board Power Point Presentation 	 to read for thematic understanding and pleasure to know about poetic devices
2	First ⁻ Flight	The Sermon at Benares	 Reading and explanation of the text Class Discussion/Group Discussion, White Board Power Point Presentation 	 to appreciate the simplicity of thoughts and ways of expression to imbibe the lesson conveyed

2B	Poetry	For Anne Gregory	 Reading and explanation of the text Class Discussion/Group Discussion, White Board 	 to read for thematic understanding and pleasure to know about poetic devices
3	First Flight	The Proposal	 Reading and explanation of the text Class Discussion/Group Discussion White Board Power Point Presentation 	 to appreciate the simplicity of thoughts and ways of expression to imbibe the lesson conveyed. to comprehend the text to enrich the vocabulary
			DECEMBER – 25 DAYS	
4	Footprints without	The Hack Driver	 Reading and explanation of the text Class Discussion/Group Discussion 	to comprehend the textto enrich the vocabulary

4	Footprints without feet	The Hack Driver	 Reading and explanation of the text Class Discussion/Group Discussion White Board Power Point Presentation 	 to comprehend the text to enrich the vocabulary to imbibe the lesson contained in the story
5	FOOTPRINTS WITHOUT FEET	Bholi	 Reading and explanation of the text Class Discussion/Group Discussion White Board Power Point Presentation 	 to appreciate the simplicity of thoughts and ways of expression to imbibe the lesson conveyed
6	FOOTPRINTS WITHOUT FEET	The Book that saved the earth	 Reading and explanation of the text Class Discussion/Group Discussion White Board 	 To comprehend the text To read for information and pleasure To jot down ideas correctly

ACTIVITIES BASED ON ART INTEGRATION

ACTIVITES BASED ON PERFORMING ART	ACTIVITES BASED ON FINE ART
Role play	Letter writing
Declamation	Dialogue Writing

Newspaper reading	Report Writing as a correspondent School/Newspaper
Debate	Writing Invites (Invitations)
Dramatization	Script-Writing
Poem Recitation	News-Writing
Power Point Presentation	Poster Making
	Slogan Writing
	Mask Making

Assessment based on Speaking and Listening skills will be taken in the month of September and February. JANUARY – 16 DAYS & FEBRUARY 15 DAYS PRE BOARD REVISION OF THE ENTIRE SYLLABUS

<u>हिंदी - कोर्सबी</u>

TERM-I

माह	पाठकानाम	शिक्षण-विधि	लक्षितअधिगम
अप्रैल	राखी (कबीर) पदबंध, रचनाकेआधार परवाक्यरूपांत रण बड़ेभाईसाहब (प्रेमचंद)	वाचन, प्रश्नोत्तरविधिएवंव्याख्यानशैली, वाक्यरचना, अभ्यासपरीक्षा	काव्यकेप्रतिरुचि, मधुरवाणीकाप्रयोग, ईश्वरकाकण- कणमेंवास,वैराग्यकीपराकाष्ठा,निंदककोभीउपयोगीअनुभवकरना
मई	समास, द्वंदएवं द्विगुतत्पुरुषअ व्ययीभावएवंबहु ब्रीहिकर्मधारण सेपरिचयहरिहर काका (संचयन)	वाचनकौशल, प्रश्नोत्तरएवंव्याख्यानशैली, संधिएवंसमाजमेंअंतरसंपादितकरना, अभ्यासकार्यएवंप्रश्नोत्तरविधि, कक्षापरीक्षा	हिंदीसाहित्यमेंप्रेमचंदकीभूमिका, एकऐसाउपन्यासकारजिसकेबिनाहिंदीसाहित्यकोसमृद्धनहींमानाजासकता, बड़ेहोनेकादायित्व, व्यवहारवादीजीवन, उत्तरदायित्वएवंपारिवारिकज़िम्मेदारियाँ।मुहावरोंकाप्रयोग, अर्थजानभी।समास: शब्दोंकासंक्षेपीकरण, शब्दलाघवएवंसारयुक्तशब्दोंकाचयन
जुलाई	पद (मीरा) अलंकारअनुप्रा स,यमक,उपमा, रूपकअतिशयो क्ति,मानवीकर ण,अपठितगद्यां श,अभ्यासएवंअ नुच्छेदलेखन, सम-सामयिक डायरीकाएकप न्ना	काव्यवाचन,प्रश्नेत्तरएवंव्याख्यानशैली, उदाहरणसहितअलंकारोंसेपरिचय, अलंकारोंकीपरिभाषा,उपयोगिताएवंप्र योग,विषयोंकीजानकारी एवंलेखनविधि	काव्यकेप्रतिरूचि, मीराकीभक्ति, मीराकात्याग, संपूर्णसमर्पण, परिचय, भाषाकोसुंदरबनाना, भाषाकेप्रयोगमेंअलंकारिकपंक्तियोंकाप्रयोगएवंविषयकाप्रतिपादनकरना, तत्पश्चातशब्दबद्धकरना

माह	पाठकानाम	शिक्षण-विधि	लक्षितअधिगम
अगस्त	ततीरावामीरोक	साहित्यमेंरसोंकीजानकारीदेना,श्रृंगारकी	श्रृंगारकासाहित्यिकदृष्टिकोण, साहित्यकेप्रतिरूचि,
	था	उपयोगिता,	त्ताँरावामीरोकीप्रेमकथाएवंदुखदसमाप्तिपरनईपरंपराकानिर्माण,
	(लीलाधरमंडलो	व्याख्यानशैलीएवंप्रश्नोत्तरविधिकाउपयो	औपचारिकपत्रोंकोलिखनेकीविधिसेपरिचय।
	ई)	ग,	प्रारूपकीजानकारीएवंअंकोंकावर्गीकरणज्ञान।सूचनालेखनमेंविरामचिन्होंकीउप
	एकसाहित्यक	पत्रकेप्रकार,औपचारिकपत्रोंकीमौलिक	योगिताएवंअभ्याससेअंकप्राप्तकरनेमेंसहजअनुभूतिकरनाएवंअपठितकाव्यांशको
	(प्रेमकथा)	जानकारी,	समझनाएवंपरीक्षोपयोगीअनुभवकरना।
	औपचारिकपत्र	जिज्ञासुविद्यार्थियोंकोप्रारूपएवंविषय-	
	एवंसूचनालेखन,	वस्तुसेअवगतकराना	
	अपठितकाव्यां		
	शअभ्यासार्थ		
	दोहे		
	(बिहारी)		
	अर्धवार्षिकपरीक्षा	कीतैयारीएवंअभ्यासपत्रद्वाराअभ्यास	

TERM – II

माह	पाठकानाम	शिक्षण-विधि	लक्षितअधिगम
सितंबर	मनुष्यता (मैथिलीशरणगुप्त)तीसरीकसमके शिल्पकारशैलेंद्र	काव्यवाचन, प्रश्नोत्तरविधि,व्याख्यानशैलीकथानकप्र संगसहित,ऐतिहासिकमूल्यपरकविद्या	काव्यकाउत्कृष्टरूप, काव्यमेंशब्दसौंदर्य, अलंकारएवंतुकागमकाअद्भुतमेल,तीसरीकसमकेशिल्पकारकाकृतित्व, फिल्मीदुनियामेंयोगदान,देशभक्तिसेभरपूरक्रांतिकेभाव
अक्टूबर	पर्वतप्रदेशमेंपाव स (सुमित्रानंदनपंत) गिरगिट (अंतोनचेखव) सपनोंकेसेदिन (संचयन) विज्ञापन	काव्यसौंदर्य ,अलंकारिकपर्वतप्रदेशसौंदर्यबोध,वा चनकेसाथप्रश्नोत्तरएवंव्याख्यानशैली,रं गबदलनेकेप्रकारकथानकप्रसंगसहित	पर्वतोंकीअपेक्षासेसौंदर्यबोधसुमित्रानंदनपंतकाकवित्तबोध।मनुष्यजातिकाअवसर वादीहोना, देश, कालऔरपरिस्थितिकेअनुसारनहोकरअपनेस्वरूपमेंपरिवर्तनकरजागरूकता,पु लिसविभागमेंभ्रष्टाचारकाउद्गम-अवसरवाद।

माह	पाठकानाम	शिक्षण-विधि	लक्षितअधिगम
नवंबर	तोप (वीरेनडंगवाल) अबकहींदूसरेकेदु खसेदुखीहोनेवाले (निदाफाजली) गिन्नीकासोना झेनकीदेन सूचनालेखन	कवित्त,व्याख्यानशैलीकाप्रयोग,ऐतिहा सिकजानकारियोंकेसाथ।जापानीसभ्य ताकीमौलिकप्रतियोगितासंबंधी.ऐतिहा सिकवृत्त	19 47 मेंस्वतंत्रताप्राप्ति।देशकीरक्षाकासंकल्प, जापानकीसभ्यतासेअवगतहोना, चानोयूकीविधिएवंक्षेत्रकीदेनपरबोध
दिसंबर	करचलेहमफिदा (कैफ़ीआज़मी) कारतूस (एकांकी) (हबीबतनवीर) मुहावरे टोपीशुक्ला अशुद्धिसंशोधन एवं लघुकथालेखन	कवित्त,वाचनकौशल,काव्यमेंरुचिउत्प न्नकरनेकेलिएऑडियोकाप्रयोगकरना। करचलेहमफिदाफिल्मीगीतकोसुनवा ना, काव्यकीतीसरीविद्या,नाटकसेअवगत करानाएवंबच्चोंकीसहायतासेनाट्यरू पांतरणप्रस्तुतकरना	सफलताप्राप्तिकेसाथहीकईदशकोंतकफिल्मीदुनियाकामुख्यआकर्षणरहाआजा दीउनकीझलकपानेकेलिएसिनेमाघरहाउसफुलदेखेजातेथे।जोश,जीजानलुटानेवा लोंकेप्रतिकृतज्ञताकाभाव, सम्मानएवंराष्ट्रध्वजएवंगीतकासम्मानफिल्मीदुनियाकाहिस्सारहा।
जनवरी	आत्मत्राणरविंद्रना थठाकुर	प्रश्नोत्तरएवंव्याख्यानशैली	रविंद्रनाथटैगोरकीविशेषता अलगतरहकीप्रार्थना,अपनेइष्टकोधर्मसंकटमेंडालनेकीसलाह
	आवृत्तिक्रमएवंअभ्य प्रीबोर्डपरीक्षा	गसप्रश्नपत्रोंसेअवगतकराना।	

<u>MATHEMATICS – X</u>

Month	Topics/Sub-topics	Assessments
April – 2022	Chap. 1 : Real Numbers Chap. 2 : Polynomials Chap. 3 : Pair of Linear Equations in Two variables Lab Activities : Related to chapters	Class Test, Class work note-book, Assignment note-book, Activity file, Cross-word puzzle, To find Error sheet, Student reflection check-list
May – 2022	Chap. 3 : Pair of Linear Equations in Two variables Chap. 6 : Triangles Lab Activities : Related to chapters	Class Test, Class work note-book, Assignment note-book, Activity file, Cross-word puzzle, To find Error sheet, Student reflection check-list PT – 1 (Chap. 1, 2 &3)
July – 2022	Chap. 6 : Triangles Chap.7 : Coordinate Geometry Lab Activities : Related to chapters	Class Test, Class work note-book, Assignment note-book, Activity file, Cross-word puzzle, To find Error sheet, Student reflection check-list
August - 2022	Chap. 8 : Introduction to Trigonometry Chap. 12 : Areas Related to Circles Lab Activities : Related to chapters	Class Test, Class work note-book, Assignment note-book, Activity file, Cross-word puzzle, To find Error sheet, Student reflection check-list PT – 2 (Chap. 3, 6 & 7)
September – 2022	Chap. 15 : Probability Revision and First Term exam. Lab Activities : Related to chapters	Class Test, Class work note-book, Assignment note-book, Activity file, Cross-word puzzle, To find Error sheet, Student reflection check-list Pre-Board Exam (Chap. 1, 2, 3, 6, 7, 8, 12 and 15)
October – 2022	Chap. 4 : Quadratic Equations Chap. 5 : Arithmetic Progressions Lab Activities : Related to chapters	Class Test, Class work note-book, Assignment note-book, Activity file, Cross-word puzzle, To find Error sheet, Student reflection check-list

November - 2022	Chap. 5 : Arithmetic Progressions Chap. 9 : Some Applications of Trigonometry Chap. 10 : Circles Lab Activities : Related to chapters	Class Test, Class work note-book, Assignment note-book, Activity file, Cross-word puzzle, To find Error sheet, Student reflection check-list
December - 2022	Chap. 11 : Constructions Chap. 13 : Surface Areas and Volumes Chap. 14 : Statistics Lab Activities : Related to chapters	Class Test, Class work note-book, Assignment note-book, Activity file, Cross-word puzzle, To find Error sheet, Student reflection check-list
January - 2023	Chap. 14 : Statistics Lab Activities : Related to chapter	Class Test, Class work note-book, Assignment note-book, Activity file, Cross-word puzzle, To find Error sheet, Student reflection check-list PT- 3 (Chap. 4, 5 & 9)
February - 2023	Revision for Term-2 Examination	Class Test, Class work note-book, Assignment note-book, Activity file, Cross-word puzzle, To find Error sheet, Student reflection check-list
March – 2023	Term – 2 Examination	Term – 2 Examination (Chap. 4, 5, 9, 10, 11, 13 & 14)

SCIENCE

Learning objectives:-

1. Strengthen the concepts developed at the secondary stage to provide firm foundation for further learning in the subject.

2. Expose the learner to different processes used in science related industrial and technological application.

3. Develop process skills and experimental, observational, manipulative, decision making and investigatory skills in the learners.

4. Promote problem solving abilities and creating thinking in learners.

5. Develop conceptual competence in learners and make realize and appreciate the interface of science with other disciplines.

Month – April

CHAPTER	METHODOLOGY	LEARNING OBJECTIVE
 Chemical Reactions and Equations Chemical reaction Chemical equation Types of Chemical reactions Corrosion, Rancidity 	Lecture method/PPT /Experimental method	Students will be able to learn definitions of Chemical reaction, chemical equation, Corrosion, Rancidity etc. They will be able to differentiate between types of reactions with activity.
Life Processes		Students will be able to learn working of
Nutrition		Digestive System

 Respiration Transportation Excretion 	Lecture Method/PPT/ Demonstration method	 Respiratory System Transportation System Excretory System With diagrams in animal(human beings) and in plants
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Month – May

CHAPTER	METHODOLOGY	LEARNING OBJECTIVE
 Acids Properties of Acids Bases Properties of Bases Salts 	Lecture method/ Experimental method/ Group Discussions	Students will be able to • Define Acid and Bases • Learn properties of acid and bases • Formation of different salts (bleaching powder, baking soda, POP etc.) • Properties and uses of salts Students will be able to learn the fundamentals of reflection and refraction light. They will also be able to understand the propagation of light
Light		
Reflection of light		

Refraction of light	Lecture method/PPT/ Experimental method	

$\pmb{\mathsf{Month}}-\mathsf{July}$

CHAPTER	METHODOLOGY	LEARNING OBJECTIVE
 Metals and Non-Metals Physical properties of metal and non- metals Chemical properties of metal and non-metals Ionic bond Occurrence of metals 	Lecture method/PPT/ Experimental method	Students will be able to distinguish between the physical properties and chemical properties of metal and non-metal. They will be able to understand the formation of lonic bonds
 Carbon and its Compounds Carbon Covalent Bond Saturated hydrocarbons 		 Students will be able to learn formation of covalent bond properties of carbon compounds distinguish between soap & detergents

Unsaturated hydrocarbons	Demonstration method/ Lecture	
 Properties of Carbon 	method	
 Soap & Detergent 		

Month – August

No. of working days - 23

CHAPTER	METHODOLOGY	LEARNING OBJECTIVE
 Reproduction Asexual Reproduction Sexual Reproduction Types of Asexual Reproduction Sexual Reproduction in Plants & Animals(human beings) 	Lecture method/PPT /Experimental method	 Students will be able to learn different types of asexual methods Fission Fragmentation Regeneration They will be able to distinguish between male & female reproductive system of human beings
 Human Eye Human Eye Refraction trough glass prism Atmospheric Refraction 	Lecture method/ PPT/ Group Discussions	Students will be able to understand the formation of image in eye They will be also be able to grasp the different eye diseases and their solutions

 ${\color{blue} \textbf{Month}}-{\color{blue} September}$

Revision

• First Term Exam

Month – October

No. of working days - 17

CHAPTER	METHODOLOGY	LEARNING OBJECTIVE
 Heredity and Evolution Heredity Mendel's laws of inheritances Sex determination Evolution Human Evolution 	Lecture method/PPT/ Demonstration method	 Students will be able to learn and define Heredity Evolution They will be able to understand laws of inheritance, different methods of evolution
 Periodic Classification of Elements Mendeleev's Periodic Table Achievements of Mendeleev's Periodic Table Modern Periodic Table Trends in modern periodic table 	Group Discussion/Lecture method/Explanation method	 Students will be able to learn and classify Mendeleev periodic Law Mendeleev Periodic Table Modern Periodic Table Position of elements in modern periodic table

Month – November

CH	HAPTER	METHODOLOGY	LEARNING OBJECTIVE

 Magnetic Effects of Electricity Magnetic field Right hand thumb rule Solenoid Electromagnetic Induction Induced current 	Lecture method/PPT/ Experimental method	Students will be able to learn definition of magnetic field, magnetic field lines, right hand thumb rule etc. They will be able to understand the meaning of electromagnetic induction, induced current.
Electricity • Current • Ohm's Law • Resistance • Resistance in Series Resistance in Parallel	Lecture method/Explanation method/Group Discussion	Students will be able to define current, potential difference, resistance. They will be able to derive formulas for Ohm's law, Resistance in Series, Resistance in Parallel and will be able to solve numerical based on them

Month – December

CHAPTER	METHODOLOGY	LEARNING OBJECTIVE
Our Environment	Group Discussion/Lecture method/PPT	Students will learn about the ecosystem, food chain and food webs.
Eco-system		

Food ChainFood WebsManaging the garbage		They will learn about the 3R's and their roles.
 Control and Coordination Nervous System Reflex Action Human Brain Coordination in plants Hormones in Animals 	Lecture method/PPT	Students will be learning about the nervous system, reflex action, and human brain functions. They will be learning about coordination in plants and hormones effect in the body.

Month – January

CHAPTER	METHODOLOGY	LEARNING OBJECTIVE
Sources of Energy	Group Discussion/Lecture	Students will learn about the conventional and non-
Conventional Sources of Energy	method/PPT	conventional sources of energy and how the energy is derived from these sources and used in daily life.
Fossil fuels		
 Hydropower Plant 		
 Biomass 		
Wind Energy		
Non-Conventional Sources of Energy		
Solar Energy		
Energy from Sea		
Nuclear Energy		
3,		

Management of Natural Resources		
 Forest Water Coal & Petroleum Sustainable Management 	Lecture method/PPT	Students will learn about the natural sources of resources like forest, water, coal & petroleum. They will learn about the sustainable management of the resources.

Month – February

• Revision of II Term

SOCIAL SCIENCE

LEARNING OBJECTIVES

- 1. To understand the way nationalism emerged and led to the formation of nation states in Europe.
- 2. Recognize the features of Indian nationalism through the case studies of NCM and CDM.
- 3. Familiarize the impact of Industrialisation on the lives of workers
- 4. To understand the value of Resources and the need for their judicious use & conservation
- 5. To Identify the various farming method and various Food and Cash crops
- 6. To make aware of the significance of Industries and need to reduce pollution
- 7. To understand the importance of transport and communication in the ever shrinking world.
- 8. To make them understand the features of Federal Institutions
- 9. To identify the strength and weakness of Indian democracy
- 10. To know the working of Global Economic phenomenon

MONTH AND NO. OF WORKING DAYS (APRIL 23 DAYS)

SL.NO	CHAPTER	METHODOLOGY	LEARNING OUTCOMES
1	RESOURCES	Interaction method	Understands the importance of the Resources and requirement of
		Map Activity	conservation of Resources
			Identifies different types of soil
2	POWER SHARING	Story Telling	Understands the advantages of power sharing through the case
		method	studies of Belgium and Sri Lanka
		Discussion	
		method	

3	AGRICULTURE	Interaction method	Students realize the importance of Agriculture to India, various
		Map Activity	farming methods, major food crops and cash crops and appreciate
			the steps taken by the govt. to protect the interest of the farmers

MONTH AND No. OF WORKING DAYS (MAY 23 DAYS)

SL.NO.	CHAPTER	METHODOLOGY	LEARNING OUTCOMES
1	FEDERALISM	Interaction Cum	Understands the features of Federalism and its implementation in
		Explanation	Indian Democracy
		method	
2	DEVELOPMENT	Interaction with	Understands the factors determining the development of states
		students	through the case studies of Kerala and Bihar
3	SECTORS OF INDIAN	Discussion cum	Students realize the importance of Economic activities, its
	ECONOMY	Explanation	classifications etc.
		method	

MONTH AND NO. OF WORKING DAYS (JULY -25 DAYS)

SL.NO.	CHAPTER	METHODOLOGY	LEARNING OUTCOMES
1	NATIONALISM IN INDIA	Interaction method	Analyze the two mass movements of our freedom struggle
		Video link	through the view point of various social groups
		https://youtu.be/d8-Fr5-	
		<u>qCT8</u>	
		Map Activity	
2	MONEY AND CREDIT	Story telling method and	Understands the advantages of Banking system and money
		interaction with students.	management, loans, its positive and negative roles, self help
			groups
		https://youtu.be/00Md5nTy	
		TDk	
		Video link for SHG	

SL.NO.	CHAPTER	METHODOLOGY	LEARNING OUTCOMES
1	NATIONALISM IN INDIA	Interaction method Video link <u>https://youtu.be/d8-Fr5-</u> <u>qCT8</u> Map Activity	Analyze the two mass movements of our freedom struggle through the view point of various social groups
3	WATER RESOURCES	Discussion method Map Activity	Students realize the importance of water management, causes for water shortage and the urgency of rain water harvesting methods
4	AGE OF INDUSTRIALISATION	Story Telling method	Familiarize the impact of industrialization in the lives of workers.

MONTH AND NO. OF WORKING DAYS (AUGUST 22 DAYS)

SL.NO.	CHAPTER	METHODOLOGY	LEARNING OUTCOMES
1	MINERALS AND ENERGY	Explanation method	Analyze the ways to conserve minerals and Energy Resources
		Map Activity	
2	DEMOCRACY AND	Story telling method and	Understands the social divisions prevails in the society and the
	DIVERSITY	interaction with students.	requirement of its removal
3		Discussion method	Ctudente realiza the importance of Industrias equado for
- 3	MANUFACTURING	Discussion method	Students realize the importance of Industries , causes for
	INDUSTRIES	Map Activity	pollution and understands the methods to protect environment
4	GENDER, RELIGION	Interaction method	Familiarize the impact of Gender discrimination, Communalism
	AND CASTE	NUKKAD NATAK on caste	and Caste discrimination in the lives of people
		based discrimination	
		https://youtu.be/wEnU150a	
		<u>pmo</u>	

MONTH AND NO. OF WORKING DAYS (SEPTEMBER 14 DAYS)

	CHAPTER	METHODOLOGY	LEARNING OUTCOMES
SL.NO			

1	NATIONALISM IN	Story Telling method	Understands the features of Liberalism, Conservatism and Nationalism
	EUROPE	Explanation method	Appreciates the struggle of the various European nations to attain
		followed by VIDEO	freedom
		https://youtu.be/-aamjtywljU	

MONTH AND NO. OF WORKING DAYS (OCTOBER 21 DAYS)

SL.NO.	CHAPTER	METHODOLOGY	LEARNING OUTCOMES
1	POLITICAL	Interaction method	Understands the functions of Political parties, its challenges and
	PARTIES		methods to ensure clean political parties
2	OUTCOMES OF	Discussion method	Students realize the importance of Democracy to India
	DEMOCRACY		Analyze the various expected outcomes of democracy

MONTH AND NO. WORKING DAYS(NOVEMBER 20 DAYS)

SL.NO.	CHAPTER	METHODOLOGY	LEARNING OUTCOMES
1	PRINT CULTURE	Story telling method	Understands the development of Printing system through the Ages
2	CHALLENGES TO DEMOCRACY	Explanation method	Understands the real life challenges to democracy

MONTH AND NO. OF WORKING DAYS (DECEMBER 25 DAYS)

SL.NO.	CHAPTER	METHODOLOGY	LEARNING OUTCOMES
1	LIFE LINES OF	Interaction method	Familiarize with our Transport and communication system
	NATIONAL		
	ECONOMY		
3	GLOBALIZATION	Interaction method	Appreciates the role of globalisation in the growth of countries
			Understands the contribution of Technology and the Liberalisation
			policy in Globalisation

MONTH AND NO. OF WORKING DAYS(JANUARY 16 DAYS)

SL.NO.	CHAPTER	METHODOLOGY	LEARNING OUTCOMES
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[1	POPULAR	Story telling method	Understands the requirement of Pressure groups and Movements in
		STRUGGLES		maintaining successful democracy
			Explanation method	

COMPUTER SCIENCE

Learning objectives :-

- 1. To make the students aware about the types of languages used in computers (High Level Language, Machine Language and Assembly Language)
- 2. How does computer perform calculations by introducing Boolean Algebra
- 3. To make the students aware about the importance of web designing in the today's world.
- 4. To be able to use the HTML As a Computer Language.

MONTH –(April)

S.NO	CHAPTER	METHODOLOGY	LEARNING OUTCOMES
1	Types of Languages-	1.Explanation method	Students will be able to know what language computer
	Machine, Assembly	2.Sums based on binary and	understands and how we convert it
	and High Level	decimal conversion	
2.	L-1 Introduction to	1. Lecture Method	Students will be able know the , Uses of internet and
	Html	2. Powerpoint	its features, History of html etc
		Presentation and videos	

MONTH –(May)

S.NO	CHAPTER	METHODOLOGY	LEARNING OUTCOMES
1.	L-2 Creating HTML documents	 Lecture Method In Practical Session students will be explained the various tags by creating the HTML tags. 	Students will be able to know about the types of tags and its usage.

MONTH –(July)

SNO	CHAPTER	METHODOLOGY	LEARNING OUTCOMES
1	Introduction to	Lecture Method	Will be able to know about the calculation process in
	Boolean Algebra		Boolean Algebra

MONTH-(August)

S.NO	CHAPTER	METHODOLOGY	LEARNING OUTCOMES
1.	L-3 Working with text in HTML	 Lecture Method In Practical class Various tags will beexplained like tag tag, <comment tag=""> etc</comment> 	Students will be able to create short programs in HTML.

MONTH –(September)

Practical Exam will be conducted

MONTH –(October)

S.NO	CHAPTER	METHODOLOGY	LEARNING OUTCOMES
1.	L-4 Text Formatting	 Lecture Method In Practical students will be explained how to use the font tag and <sup> and <sub > tags</sub </sup> 	Students will be able to format the HTML documents and make the text attractive.

MONTH –(November)

S.N	NO CHAPTER	METHODOLOGY	LEARNING OUTCOMES
1.	L-5 Working with Lists	 Lecture Method In Practical students will be shown how to crete the types of list and . 	Students will be able to insert lists in HTML.

MONTH –(December)

S.NO	CHAPTER	METHODOLOGY	LEARNING OUTCOMES
1.	L-7 Using Images and Linking Web Pages.	 Lecture Method In Practical class students will be explained how to insert images and link the web pages 	Students will be able to format the file and use the various tools.

MONTH –(January)

S.NO	CHAPTER	METHODOLOGY	LEARNING OUTCOMES
1.	L-8 Introduction to HTML tables.	 Lecture Method In practical class the students will be taught how to insert html tags 	Students will be create/insert tables in HTML.

MONTH – (February)

Practical Exam will be conducted

<u>MUSIC</u>

Learning Objectives :

1) Learn Vocal Music 2) Definition

TERM 1

CONTENT	METHODOLOGY	LEARNING OUTCOME

April:- 19 Periods	Lecture, Method and writing of raag	Students will learn short definitions.
Define: Alaap, Taan,	Bhoopali notation.	Developing singing skills.
Meend, Kan		
Practical: Aaroh, Avroh,		
Pakad and drut Khayal		
with alaap and taan of		Students will learn the way of writing notation system.
Raag Bhoopali	Lecture, Method and writing of	
May:- 17 Periods	complete notation system.	
Knowledge of tanpura		
tuning		
Practical: Aaroh, Avroh,		Developing rhythemic sense of sur and taal.
Pakad and		
Drut khayal with alaap	Lecture, Method and writing of Taal	
and taan of Raag Khamaj	notation.	
July:- 14 Periods		
Description and Taal		Developing the sense of swar.
notation with thah, dugun,		
tigun and chaugun		
of Taal Tilwada, Chautal	Lecture, Method and writing in	
and Rupak	notation of raag.	
Practical: One devotional		
song		
August: 16 Periods		Developing the sense of swar.
Description of Raag:		
(i) Bhoopali		
(ii) Khamaj		
Practical: Recition of	Lecture method and writing notes	
Thekas of Taal with thah		
and dugun on hand beats		
(i) Tilwada		
(ii) Rupak		
September: 14 Periods		

Writing notation the	
composition of Raag and	
identify the Raag from the	
phrases of swar:	
(i) Bhoopali	
(ii) Khamaj	
Practical: Ability to	
recognize the Raag of	
swarsrenderd by the	
examiner.	

TERM II

CONTENT	METHODOLOGY	LEARNING OUTCOME
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October: 20 Periods	Lecture method and writing notes	Students will learn definitions.
Define: Dhrupad, Dhamar,		Developing singing skills.
Tarana		
Practical: Aaroh, Avroh,		
Pakad and Drut khayal		
with Alaap and taan of	Writing of definitions, lecture method	Student will learn definitions
Raag Vrindavani sarang		Developing singing skills.
November: 17 Periods		
Knowledge of tuning of the		
Tanpura		
Practical: One vilambit		
khayal, sthayi of any Raag:		
(i) Bhoopali	Writing in notation and description,	Student will learn definitions.
(ii) Khamaj	lecture method.	Developing singing skills.
(iii) Vrindavani sarang		
December: 17 Periods		
Description of Raag		
Vrindavani Sarang		
Practical: One vilambit		
khayal antara of any Raag:		Students will learn layakari.
(i) Bhoopali	Lecture and demo method.	Developing the sense of taal beats.
(ii) Khamaj		
(iii) Vrindavani sarang		
January: 12 Periods		
Writing notation the		
composition and identify		Student will learn the notation system.
Raag from phrases of	Witing in notation system, lecture	Knowledge of swars.
swars:	and demo method.	
Vrindavani		
sarang		

Practical: Recition of	
thekas of Chautal with thah	
and dugun on hand beats	
_	
February: 14 Periods	
Life sketch and	
contribution to music of:	
(i) Tansen	
(ii) Sarangdev	
(iii) Faiyaz khan	
(iv) Omkar Nath Thakur	
Practical: Ability to	
recognize the raag's from	
phrases of swar rendered	
by the examiner.	

ART AND CRAFT AND HOME SCIENCE

Learning objectives

Art and craft - To create love for environment by making best out of waste with the help of recyclable things create

awareness for the waste reduction and promote reuse of bottles, canes, paper etc.

Use of vegetable dyes instead of chemical dyes which were used earlier in India.

Culinary art

Learning objectives

It is to have affective multi dimensional growth of students which will impact physically, intellectually and enhance knowledge techniques ,ethics and nutritive values of food and the presentation skill also.

These activities help the students to choose the career in future.

	1 st Term	
	April	
Feathers with wool		
Gold leaf Frame		
	Мау	
Block Printing		
	July	
Sugar Pot with Balloon		
Dream Catcher		
	August	
Thali Decoration		
Frames with Old Cardboards		
	September	
Mini Organizer Vandanvar		
Other Decorative Things		
	Culinary Arts II Term	
	October	
Idli and Sandwich		
	November	
Rose Samosa		
Besan Barfi		
	December	
Table Layout		
Cake		
Pasta		
	January	

Corn Salad

Class Painting

Learning Objective

The students are able to develop the aesthetic sense ,appreciate the beauty in lines ,forms and colours. The students will get to know the wide range of artistic impressions, the media and tools used. the students would be acquainted with brief glimpses of the development of Indian Visual Art.

Term-I

	April
Theory	Practical
Introduction to Art	Still Life
Principles of Art	
	Мау
Theory	Practical
Understanding and Appropriate use of	Sketching of Nature
Painting Materials	
	July
Theory	Practical
Areas of Drawing and Painting	Landscapes
× × ·	August
Theory	Practical
Padma Pani, Mother Teresa, Lion Capital	Flower Composition and Bird Composition
from Sarnath	
	September
Theory	Practical
Revision	Completion of Portfolio
	ll Term
	October
Theory	Practical

Natraj	Folk Art	
Kailash Nath Temple		
· · · ·	November	
Theory	Practical	
Taj Mahal	Composition	
Mahbubani		
Worly		
· · · · ·	December	
Theory	Practical	
Revision	Canvas Painting	
Discussion of Sample Papers		

January

Theory	Practical
Revision	Completion of Portfolio