



<p><b>May</b></p>	<p>FROM THE DIARY OF ANNE FRANK, THE THIEF’S STORY, A TIGER IN THE ZOO, THE BALL POEM</p>	<p><b>Activity 1:</b> “If at all you give up, give up giving up”</p> <p>Find out any two famous personalities who believed in the above dictum and prepare a presentation about their life and how they have inspired you.</p> <p>Format:</p> <ul style="list-style-type: none"> <li>• a short movie</li> <li>• Power Point Presentation.</li> </ul> <p>Can be enacted and recorded.</p>	<ul style="list-style-type: none"> <li>➤ realise the importance of not giving up in life.</li> <li>➤ understand feeling of fear, thrill, hesitation and excitement before starting an activity.</li> <li>➤ enhance the vocabulary.</li> <li>➤ enable the learners to extrapolate from the given text.</li> <li>➤ enable the students to share their personal experiences.</li> <li>➤ enhance their LSRW skills.</li> </ul>
<p><b>July</b></p>	<p>AMANDA, THE MIDNIGHT VISITOR A QUESTION OF TRUST, HOW TO TELL WILD ANIMALS, TWO STORIES ABOUT FLYING</p>	<p><b>ACTIVITY 1</b>  <b>Travelogue</b> prepare a travelogue based on the information given in the lesson.  <b>Activity 2</b>  <b>Make a presentation</b> comparing any two states from east and west/north or south.</p>	<ul style="list-style-type: none"> <li>➤ Know about few freedom fighters.</li> <li>➤ Develop patriotism.</li> <li>➤ Narrate the events in chronological order.</li> <li>➤ Know about the diverse culture of their country.</li> <li>➤ Co-relate between Indian history and Tibetan history.</li> <li>➤ Develop the four basic language skills.</li> </ul>
<p><b>August</b></p>	<p>MIJBIL THE OTTER, GLIMPSES OF INDIA MIJBIL THE OTTER, FOOTPRINTS WITHOUT FEET, GRAMMAR, WRITING SKILLS</p>	<p><b>Activity 1</b>  <b>One act play.</b>  Prepare a script, creating awareness about the importance of trees/afforestation.</p> <p><b>Activity 2</b>  <b>Doodle Art (follow the example given below and create an image of your own on the topic Trees- Life givers</b></p>	<ul style="list-style-type: none"> <li>➤ Develop an intimate relationship with a tree and thereby care more about its natural environment.</li> <li>➤ Display comprehension by discussing and answering questions through co-operative group discussion.</li> </ul>

<b>September</b>	MADAM RIDES THE BUS, THE NECKLACE, BHOLI, FOG, THE MAKING OF A SCIENTIST, THE TREES, GRAMMAR, WRITING SKILLS	<b>Activity 1</b> <b>Draft a post based on the given concept of Lord Buddha.</b> (Personal Losses are a part and parcel of life. Instead of wailing on them, we should move on in life. This message of Gautam Buddha has become more relevant in modern times.)	<ul style="list-style-type: none"> <li>➤ Understand the immortality of humans.</li> <li>➤ Understand that a little help and guidance to those who are experiencing grief may help them understand and overcome grief.</li> </ul>
<b>October</b>	THE SERMON AT BENARAS, FOR ANNE GREGORY, THE TALE OF CUSTARD THE DRAGON, COMPREHENSION, WRITING SKILLS	<b>Activity1</b> <b>PPT Presentation on</b> Holocaust. <b>Activity 2</b> Informal Letter. Had you been in Anne’s place, how would you have responded....	<ul style="list-style-type: none"> <li>➤ To make student understand the incidentals of Holocaust</li> <li>➤ To enable the students to know their strengths and weaknesses.</li> <li>➤ To make study of their own personality.</li> </ul>
<b>November</b>	THE BOOK THAT SAVED THE EARTH, THE PROPOSAL, READING COMPREHENSION, WRITING SKILLS, REVISION	<b>Activity 1.</b> <b>Poem writing:</b> Convert the chapter ‘The Book That Saved The Earth’ into a poem	<ul style="list-style-type: none"> <li>➤ To make the students understand the different innuendos of Industrial Revolution in Russia.</li> <li>➤ To make the student understand how little things in life can lead to big success.</li> </ul>

## हिन्दी (085)

पाठ्यक्रम (सत्र 2024-25)

कक्षा – दसवीं

### हिन्दी शिक्षण के उद्देश्य:

1. राष्ट्रभाषा हिंदी के प्रति प्रेम विकसित कर राष्ट्रीय एकता को बढ़ावा देना।
2. भारतीय साहित्य व संस्कृति के प्रति रुझान उत्पन्न करना।
3. साहित्य की विविध विधाओं से परिचित कराना।
4. मानसिक क्षमता का विकास करना।
5. शुद्ध, सरल, प्रभावपूर्ण एवं स्पष्ट भाषा में अपने भावों, अनुभूतियों एवं विचारों को व्यक्त करना।
6. श्रवण, वाचन, पठन और लेखन कौशल का विकास करना।

### पाठ्य पुस्तकें:

1. स्पर्श भाग – 2
2. संचयन – 2
3. व्याकरण – व्याकरण प्रवेश

माह	पाठ का नाम	सीखने के प्रतिफल	गतिविधि
मार्च-अप्रैल माह	<u>स्पर्श-</u> <u>पद्य खंड</u> <u>साखी</u>	<ul style="list-style-type: none"><li>- भक्तिकाल के कवियों के बारे में जानना।</li><li>- दैनिक जीवन के व्यवहार के संदर्भ में जोड़कर देखना।</li><li>- नीतिपरकता, प्रेम, तथा भक्ति जैसी गूढ़ बातों को सरलता से समझेंगे।</li><li>- कवि के साहित्यिक जीवन के बारे में जानकारी मिलेगी।</li><li>- कविता में वर्णित भावों को हृदयंगम करने में सक्षम होंगे।</li></ul>	स्वरचित दोहा लेखन
	<u>गद्य खंड-</u> <u>बड़े भाईसाहब</u>	<ul style="list-style-type: none"><li>- हिंदी साहित्यकारों के विषय में जानेंगे।</li><li>- प्रेमचंद की कहानियों के बारे में जानेंगे।</li><li>- नैतिक मूल्यों की ओर प्रेरित करना।</li><li>- व्यंग्य लेखन की विशेषताएँ समझना।</li><li>- मनुष्य मात्र के स्वभाव एवं व्यवहार की जानकारी देना।</li></ul>	अपने परिवार के किसी भी सदस्य से मिली शिक्षाओं पर एक अनुच्छेद लिखिए।

<p>मई माह</p>	<p>पद्य खंड – मीरा</p> <p>संचयन – हरिहर काका</p>	<p>व्याकरण – पठित पाठ के आधार पर मुहावरे, समास अपठित गद्यांश लेखन – अनुच्छेद, औपचारिक पत्र – प्रार्थना, प्रशंसा, शिकायती, संपादकीय</p> <p>– ईश्वर भक्ति की भावना जाग्रत करते हुए परमात्मा की ओर उन्मुख करना। – भक्तिकाल के कवियों के बारे में जानेंगे। – मीरा की कृष्ण भक्ति को जानेंगे। – वेदों में वर्णित भावों को हृदयंगम करना। – पदों के केंद्रीयभाव को समझना। – भावाभिव्यक्ति करने में सक्षम होंगे।</p> <p>– समाज में व्याप्त विसंगतियों के बारे में जानेंगे। – वृद्धों के प्रति कर्तव्य का ज्ञान होगा। – नैतिक मूल्यों की जानकारी होगी। – अपने दैनिक जीवन के संदर्भ से जोड़कर देखेंगे। – समाज व परिवार के बारे में जानकारी होगी।</p> <p>व्याकरण – रचना के आधार पर वाक्य रूपांतरण लेखन – औपचारिक पत्र – व्यवसायिक पत्र।</p>	<p>किसी अन्य कृष्णभक्त कवि/कवयित्री के दोहे या पद एकत्र करना।</p> <p>डायरी लेखन का महत्व बताते हुए उन्हें प्रतिदिन के महत्वपूर्ण प्रसंगों को डायरी लेखन के लिए प्रेरित किया जाएगा।</p>
<p>जुलाई माह</p>	<p>गद्य खंड – डायरी का पन्ना</p>	<p>– सुभाषचंद्र बोस व अन्य शूरवीरों के विषय में जानेंगे। – आजादी के लिए किए गए कार्यों के बारे में जानेंगे। – आजादी के महत्व को जानेंगे। – पठन-पाठन करते हुए भाव</p>	<p>डायरी लेखन का महत्व बताते हुए उन्हें प्रतिदिन के महत्वपूर्ण प्रसंगों को डायरी लेखन के लिए प्रेरित किया जाएगा।</p>

		ग्रहण करेंगे।	
	<u>ततारा-वामीरो कथा</u>	<ul style="list-style-type: none"> <li>– अंडमान-निकोबार द्वीप समूह की संस्कृति, रीतिरिवाज, वेशभूषा आदि के विषय में जानेंगे।</li> <li>– प्रश्ननिर्माण करेंगे व उनके उत्तर भी देंगे।</li> <li>– पठन-पाठन करते हुए भाव ग्रहण करेंगे।</li> </ul>	अपने राज्य की संस्कृति की झलक को एक कोलाज के माध्यम से प्रदर्शित करें।
	पद्य खंड – मनुष्यता	<ul style="list-style-type: none"> <li>– सस्वर वाचन करते हुए भाव ग्रहण करेंगे।</li> <li>– भारत के पौराणिक, गौरवपूर्ण कर्णधारों की जानकारी प्राप्त कर सकेंगे।</li> <li>– परोपकार व विश्वबंधुत्व की भावाभिव्यक्ति करने में सक्षम होंगे।</li> <li>– वसुधैवकुटुंबकम् के महत्व को जानेंगे।</li> <li>– प्राणिमात्र के प्रति करुणा, सहानुभूति, प्रेम आदि की भावना को जगाना।</li> </ul>	नैतिक मूल्यों पर आधारित एक लघुकथा लिखिए।
	<u>पर्वत प्रदेश में पावस</u>	<ul style="list-style-type: none"> <li>– सस्वर वाचन करते हुए अर्थ ग्रहण करेंगे</li> <li>– अलंकारिक भाषा के सौंदर्य को जानेंगे।</li> <li>– प्रकृति के अद्भुत सौंदर्य से परिचित होंगे।</li> <li>– नवीन एवं अनोखे उपमानों का सुंदर प्रयोग सीखेंगे।</li> </ul> <p>व्याकरण- पदबंध लेखन- सूचना लेखन, लघुकथा लेखन</p>	अपनी प्रिय ऋतु पर अनुच्छेद लेखन
अगस्त माह	गद्य खंड –	<ul style="list-style-type: none"> <li>– प्रकृति के प्रति उत्तरदायित्व व उसके महत्व को जानेंगे।</li> <li>– जीव-जंतुओं के प्रति करुणा, सहानुभूति, प्रेम आदि की भावनाएं जाग्रत करना।</li> </ul>	समाज में व्याप्त किसी भी समस्या

<p>अब कहाँ दूसरों के दुख में दुखी होने वाले</p>	<ul style="list-style-type: none"> <li>– समाज में व्याप्त विसंगतियों के बारे में जानेंगे।</li> <li>– छात्रों को अपने परिवेश और प्रकृति के बारे में जानकारी ग्रहण करेंगे।</li> </ul>	<p>पर आधारित कविता लेखन।</p>
<p>तीसरी कसम के शिल्पकार— शैलेंद्र</p>	<ul style="list-style-type: none"> <li>–हिंदी फिल्मजगत के विषय में जानेंगे।</li> <li>– कवि व गीतकार फणीश्वर नाथ रेणु व उनकी अमर कृति फिल्म तीसरी कसम के विषय में जाना।</li> <li>–शोमैन राजकपूर के फिल्मी जीवन से परिचित होंगे।</li> <li>– फिल्मनिर्माण की वास्तविकता, मुश्किलों आदि का ज्ञान प्राप्त करना।</li> <li>– लेख लिखने की योग्यता का विस्तार करना।</li> </ul>	<p>तीसरी कसम फिल्म के शोमैन राजकपूर की कोई अन्य फिल्म से तुलना करते हुए अपने विचार सांझा कीजिए।</p>
<p>पद्य खंड – <u>तोप</u></p>	<ul style="list-style-type: none"> <li>–देश की विरासत तथा उनकी रक्षा की जानकारी देना।</li> <li>–कविता लिखने की योग्यता का विस्तार करना।</li> <li>– कविता में वर्णित भावों को हृदयंगम करना।</li> <li>– अंग्रेजी शासन व तोप के बारे में जानकारी प्राप्त करना।</li> <li>– देश के प्रति भक्ति, प्रेम आदि की भावनाएँ जाग्रत करना।</li> </ul>	<p>देश की विरासत से संबंधित कविता लेखन</p>
<p>कर चले हम <u>फिदा</u></p>	<ul style="list-style-type: none"> <li>– देश की आंतरिक व बाहरी समस्याओं को समझने का प्रयास करना।</li> <li>– अपने देश की लड़ाई के बारे में जानकारी प्राप्त करना।</li> </ul>	<p>देशभक्ति की भावना से परिपूर्ण एक एकांकी लिखना।</p>
<p>संचयन— सपनों के से दिन</p>	<ul style="list-style-type: none"> <li>– मनुष्यमात्र के स्वभाव एवं व्यवहार की जानकारी देना।</li> <li>–ग्रामीण बच्चों की मानसिक दशा से अवगत कराना।</li> <li>– नैतिक मूल्यों की ओर प्रेरित</li> </ul>	<p>शैक्षणिक समस्याओं पर लेख लिखना।</p>

सितंबर माह		<p>करना।</p> <ul style="list-style-type: none"> <li>– गांव के शैक्षिक वातावरण की ओर ध्यान दिलाना।</li> <li>– ग्रामीण परिवेश व व्यवहार की जानकारी देना।</li> </ul> <p>व्याकरण – मुहावरे लेखन– विज्ञापन लेखन, ईमेल लेखन</p> <p>अर्धवार्षिक परीक्षा</p>	
अक्टूबर माह	<u>पतझर की टूटी पत्तियाँ</u>	<ul style="list-style-type: none"> <li>– नैतिक मूल्यों की ओर प्रेरित करना।</li> <li>– जागरूक और सक्रिय नागरिक बनने की प्रेरणा देना।</li> <li>– लेख से मिली शिक्षाओं पर अमल करना।</li> <li>– स्वयं डायरी लिखने की योग्यता का विकास करना।</li> <li>– गांधी जी के विचारों और जापान देश की जीवनशैली की जानकारी देना।</li> </ul>	भारतीय जीवन-शैली पर आधारित कोई लेख लिखना।
नवम्बर माह	<u>कारतूस</u>	<ul style="list-style-type: none"> <li>– नैतिक मूल्यों की ओर प्रेरित करना।</li> <li>– देशप्रेम की भावना जाग्रत करना।</li> <li>– सैनिक के जीवन व उनकी भावनाओं से परिचित कराना।</li> <li>– समाज में जीवन के प्रति स्वस्थ दृष्टिकोण उत्पन्न करना।</li> </ul>	देशभक्ति की भावना से संबंधित एक लघुनाटिका का कक्षा में मंचन करना।
	<u>आत्मत्राण</u>	<ul style="list-style-type: none"> <li>– ईश्वर के प्रति भक्ति, प्रेम आदि की जानकारी देना।</li> <li>– नैतिक मूल्यों की ओर प्रेरित करना।</li> <li>– छात्रों में संगीत, कला और भावनृत्य के प्रति अनुराग उत्पन्न करना</li> <li>– आत्मविश्वास, संयम, दृढ़</li> </ul>	स्वरचित कविता लेखन



		इच्छाशक्ति के विषय में जानना।	
	<u>संचयन –</u> <u>टोपी शुक्ला</u>	<ul style="list-style-type: none"> <li>– जति, धर्म, रीति-रिवाज आदि विषयों को जानना।</li> <li>– नैतिक मूल्यों की ओर प्रेरित करना।</li> <li>– परिवार को शैक्षणिक वातावरण की ओर ध्यान दिलाना।</li> <li>– विषयवस्तु को अपने दैनिक जीवन से जोड़ना।</li> </ul>	टोपी की दादी और अपनी दादी के बीच तुलनात्मक अध्ययन कीजिए।
दिसंबर माह	<u>प्री बोर्ड परीक्षा</u>	पुनरावृत्ति	
जनवरी माह	<u>प्री बोर्ड परीक्षा</u>	पुनरावृत्ति	

**ASN SENIOR SECONDARY SCHOOL  
CLASS - X , MATHEMATICS SYLLABUS (2023-24)**

MONTH	Chapter	Activity	Learning Outcomes (SWBAT)
	Real Numbers	Story Weaving through digital platform using RLC	<ol style="list-style-type: none"> <li>1. State and apply Fundamental theorem of Arithmetic</li> <li>2. Proving irrationality of irrational numbers</li> <li>3. Finding HCF and LCM in RL situations</li> </ol>
	Probability	<p>GAMIFICATION: ONLINE GAME BASED ON PROBABILITY LAB MANUL ACTIVITY</p> <p>A pair of dice is thrown once write down the sample space and find the probability of the following</p> <p>Sum of the digits is even</p> <p>5 turns up at least once</p> <p>Doublets</p> <p>Product of digits is less than 25</p> <p>Both the digits are prime</p>	<ol style="list-style-type: none"> <li>1.State empirical formula of probability</li> <li>2.Calculate total number outcomes of an event</li> <li>3. Categorise the playing cards as per club, spade, diamond and heart</li> </ol>
MARCH	Statistics	<p>LAB MANUL ACTIVITY</p> <p>Preparing the excel sheet to calculate average/median / mode /rank/%age of PT-1 result of your class and represent the data graphically using excel</p>	<ol style="list-style-type: none"> <li>1.State the formulae for MEAN, MEDIAN AND MODE of grouped data.</li> <li>2.Identify the median and modal class.</li> <li>3.Calculate the mean, median and mode of given data.</li> <li>4.Apply the <math>3\text{Median} = 2\text{mean} + \text{mode}</math> in the real-life problems.</li> <li>5.Find the cumulative frequency.</li> <li>6.Convert the class interval into less than or more than type data</li> <li>7.Convert the cumulative frequency into frequency distribution</li> </ol>
	Linear Equation in two variables	<p>LAB MANUL ACTIVITY</p> <p>To use the graphical method to obtain the conditions of consistency and hence to solve a given system of linear equations in two variables</p>	<ol style="list-style-type: none"> <li>1.Recall variables, constants, linear equation in one and two variables</li> <li>2.Convert the statement to mathematical linear equation</li> <li>3.Solve the system of linear equations by - Elimination Method, Substitution Method, Cross Multiplication Method</li> <li>4.Represent the system of linear equations graphically so as to determine the solution</li> </ol>
APRIL	Polynomials	Finding Zeroes of polynomial through GeoGebra/ Math pad	<ol style="list-style-type: none"> <li>1.Define quadratic polynomial</li> <li>2.Find zeroes of quadratic polynomial so as to verify the relationship of zeroes with coefficients of given polynomial</li> </ol>
	Introduction to Trigonometry	TOY Creation	<ol style="list-style-type: none"> <li>1.Determine trigonometric ratio's</li> <li>2.Compare the value of T- ratios for specific angles in order to tabulate it.</li> <li>3.Apply trigonometric Identities</li> </ol>

			<ol style="list-style-type: none"> <li>1. Differentiate between quadratic polynomial and quadratic equation</li> <li>2. Determine the discriminant in order to nature of roots</li> <li>3. Frame the quadratic equations for posed problems in order to find workable solutions</li> <li>4. Apply quadratic formula on quadratic equations</li> </ol>
		QUARA : devise a method to simplify (	
<b>MAY</b>	Quadratic Equations	Word Web / Simulation	<ol style="list-style-type: none"> <li>1. Prove that radius is perpendicular to tangent through point of contact</li> <li>2. Prove and apply that tangent drawn from an external point of a circle are equal in length</li> </ol>
	Arithmetic Progression	Bankers banking	<ol style="list-style-type: none"> <li>1. Define an AP so as to differentiate it from number patterns.</li> <li>2. Find the nth term of an AP</li> <li>3. Evaluate the sum of n terms of an AP</li> <li>4. Determine the AP whose first term, common difference or relation of any two terms are given</li> <li>5. Forming RLC of AP</li> </ol>
<b>JULY</b>	Triangles	To verify the Thales Theorem using simulations	<ol style="list-style-type: none"> <li>1. Analyse the statements of questions in order to apply the similarity criterion posed problem.</li> <li>2. Convert the statements of given questions to the diagram/figure</li> </ol>
	Surface Areas and Volumes	To demonstrate a method to derive a formula for finding the Total Surface Area of a right circular cylinder	<ol style="list-style-type: none"> <li>1. Determine surface areas and volume for combination of two or more than two solids</li> <li>2. Interpret the given statement and apply suitable formulas when a solid is melted, reformed etc. from one shape to another</li> </ol>
<b>AUGUST</b>	REVISION		
<b>SEPTEMBER</b>	MID-TERM EXAMINATION		
	Circles		
<b>OCTOBER</b>	Area Related to Circles	TOY creation	<ol style="list-style-type: none"> <li>1. Recall the terms like arc, sector, segment etc.</li> <li>2. Compare minor arc/ sector/ segment of a circle with major arc/ sector/segment.</li> <li>3. Area enclosed between two or more 2 D figures</li> </ol>

			<p>1. Define the line of sight, angle of elevation /depression to interpret the statement and represent the same diagrammatically.</p> <p>2. Differentiate between the angle of elevation and angle of depression and apply it to determine the height and distance without measuring them.</p> <p>3. Determine sun's altitude at given point of time if height of object or length of its shadow is given in order to simplify real life problems (RLC).</p>
	Applications of Trigonometry	To prepare a clinometer and use it to measure the height of an object.	
			<p>1. Apply distance formula in order to find the distance between two coordinates</p> <p>2. State section formula so as to find the ratio or coordinates of the point by which the given line is divided</p> <p>3. Check the co-linearity of given coordinates</p> <p>4. Determine the area of triangle whose coordinates are given</p>
<b>NOVEMBER</b>	Coordinate Geometry	App Designing Verification of section formula through GeoGebra	
<b>DECEMBER</b>	REVISION		Post Mid - Term
<b>JANUARY</b>	Pre- Board Examination		

**ASN SENIOR SECONDARY SCHOOL**  
**Class X**  
**PHYSICS SYLLABUS (SESSION 2024-2025)**

Month	Topic	Physics Lab Work/Activity	Learning Objectives (SWBAT)
MARCH & APRIL	-Light (Introduction)	<ul style="list-style-type: none"> <li>- Calculating the focal length of mirror and lenses.</li> <li>- Variation of image and object distances in case of lens.</li> <li>- Refraction through a rectangular glass slab.</li> </ul>	Light: <ul style="list-style-type: none"> <li>• Differentiate between Real and Virtual image on the basis of image formation.</li> <li>• Categorize the types of mirrors and lenses in order to draw schematic diagram.</li> <li>• Relate the concept of reflection/refraction with everyday life.</li> <li>• Reason out the converging &amp; diverging nature of spherical mirrors so as to find out its application.</li> <li>• Comprehend the rules of reflection/refraction by mirrors and lenses.</li> <li>• Visualize the phenomenon of reflection/refraction so as to draw the ray diagrams.</li> <li>• Understand the concept of refraction of light and calculate the refractive index of a medium.</li> <li>• Differentiate between reflection &amp; refraction on the basis of physical conditions.</li> <li>• Calculate the power of a lens, using its relationship with respect to focal length.</li> <li>• Draw and Depict the phenomenon of refraction in case of a glass slab.</li> <li>• Apply sign convention and use lens / mirror formula and magnification formula to calculate the image position and size.</li> </ul>
MAY	- Human eye	- Refraction through a triangular glass prism.	Human Eye: <ul style="list-style-type: none"> <li>• Differentiate between various types of defects on the basis of image formation.</li> <li>• List all the parts of an eye and state the function of each part.</li> <li>• Enrich their knowledge about Atmospheric refraction on the basis of change in air density.</li> </ul>

			<ul style="list-style-type: none"> <li>• Draw the ray diagrams related with the defects of vision</li> <li>• Solve the numericals based on lens formula and calculate the power of the lens required for the correction of defect.</li> <li>• Explain the concept of refraction in a glass prism and state its relevance in daily life.</li> <li>• Identify the applications of scattering &amp; atmospheric refraction.</li> <li>• Reason out for the twinkling of stars and advance sunlight and delayed sunset.</li> <li>• Classify different colours on the basis of speed and wavelength</li> <li>• Draw and explain the concept of rain bow formation.</li> <li>• Relate the phenomenon of scattering of light with blue sky and red sun during sunrise and sunset.</li> </ul>
<b>JUNE</b>	<b>SUMMER VACATIONS</b>		
<b>JULY</b>	-Human Eye (Continued)  -Electricity	Electricity: -To verify Ohm's law.	Electricity: <ul style="list-style-type: none"> <li>• Identify various components of electric circuit and interpret their importance.</li> <li>• Deduce Ohm's law and verify it experimentally.</li> <li>• Learn the way of connecting devices in series and parallel and route out the direction of current flow.</li> <li>• Solve numerical problems related to current, potential difference, resistance, &amp; power.</li> <li>• Explain heating effects of electric current and Derive joule law of heating.</li> <li>• Distinguish between resistance &amp; resistivity on the basis of definition and unit.</li> <li>• Draw circuit diagram on the basis of electrical symbols available.</li> <li>• Calculate the units of energy consumed in kwh and joules.</li> </ul>

AUGUST	-Electricity (Continued)	-Calculation of resistances in series and parallel.	
SEPTEMBER	<b>Mid Term Examination</b>		
OCTOBER	-Magnetic Effects of electric current		<p>Magnetic Effects of Electric Current:</p> <ul style="list-style-type: none"> <li>• Differentiate between alternating and direct current on the basis of current-time graph.</li> <li>• List out the properties of magnetic field lines and draw the diagram for the same.</li> <li>• Distinguish between bar magnet &amp; a solenoid on the basis of field lines.</li> <li>• State: a. Fleming right hand rule; b. Fleming left hand rule; c. Thumb rule and later state its applications.</li> <li>• Distinguish between motor &amp; generator on the basis of construction and the principle.</li> <li>• Connect the different wires in an domestic circuit as per the function performed by them.</li> <li>• Elaborate the concept of electro magnetic induction indicating its effect on current &amp; magnetic field.</li> </ul>
NOVEMBER	-Magnetic Effects of electric current (Continued)		
DECEMBER	<b>Revision for Post Mid Term</b>		
JANUARY	<b>Pre Board Examination</b>		

CLASS:- X

SUBJECT:- Chemistry

Month	Topic	Activity	Learning Objective	Practical
March -April	Chemical Reactions and equations	Different reactions will be shown through pictures and students will be asked to classify them as different types.	Students will learn about: <ul style="list-style-type: none"><li>• Chemical equations</li><li>• Balancing chemical equations</li><li>• Combination reaction</li><li>• Displacement reaction</li><li>• Double displacement reaction</li><li>• Decomposition Reaction</li><li>• Redox reaction</li></ul>	Different types of reactions
May	Acids, Bases and Salts	Students will prepare different acidic and basic solutions based on their properties	<ul style="list-style-type: none"><li>• Acids</li><li>• Bases</li><li>• Reaction of acids with bases</li><li>• Reaction of metallic oxides with acids</li><li>• Reaction of non metallic oxides with bases</li><li>• How do acids and bases</li></ul>	Properties of HCl and NaOH



			react with water.	
July	Acids, Bases and Salts		<ul style="list-style-type: none"> <li>• Strength of acidic and basic solution</li> <li>• Importance of pH</li> <li>• Salts</li> </ul>	pH values
August	Metals and Non metals	Flash cards of different reactions of metals and non metals will be prepared by students for easy memorisation.	<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>• Reaction of metals with air, water, acid, other metals.</li> <li>• Reaction of non metals</li> <li>• Metallurgy</li> </ul>	Actions of metals on salt solutions
September	Revision			
October	Carbon and its compounds		<ul style="list-style-type: none"> <li>• Covalent bonds in carbon</li> <li>• Saturated and unsaturated carbon compounds</li> <li>• Branches, chains and rings of carbon.</li> </ul>	Properties of acetic acid

			<ul style="list-style-type: none"> <li>• Homologous series of carbon.</li> <li>• Nomenclature of carbon compounds</li> </ul>	
November	<p>Carbon and it's compounds</p> <p>Revision</p>	<p>Students at their home will observe cleansing action of soaps and detergents and will prepare a differentiating table of their observation to understand soaps and detergents appropriately.</p>	<ul style="list-style-type: none"> <li>• Chemical properties of carbon compounds</li> <li>• Ethanol and its properties</li> <li>• Ethanoic acid and it's properties.</li> <li>• Soaps and Detergents.</li> </ul>	

Class: X  
 Subject- BIOLOGY  
 Teacher: TRAPTI SHARMA

Month	Topic	Activity	Learning outcome
April	Our Environment	Nature walk with move and grab game	<ol style="list-style-type: none"> <li>1. To identify the components of ecosystem</li> <li>2. To understand the importance of sustenance of environment.</li> <li>3. To understand the flow or movement of nutrients, energy and chemicals in the ecosystem.</li> </ol>

Month	Topic	Activity	Learning outcome
May	LIFE PROCESSESS	Art Integrated Activity	. understand the various life processes to know the the characteristic features of various tissues and organs

			<p>present in the body.</p> <p>2. To understand different modes of nutrition, Respiration, circulation of fluid and Excretion that occur in various living organisms.</p> <p>3. Illustrate the various steps of each type of life processes in humans to know the function of different organs and enzymes associated with them.</p>
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<b>Month</b>	<b>Topic</b>	<b>Activity</b>	<b>Learning outcomes</b>
<b>May</b>	<b>Life processes (contd.)</b>	<b>Infograph</b>	

<b>Month</b>	<b>Topic</b>	<b>Activity</b>	<b>Learning outcomes</b>
<b>July</b>	<b>CONTROL AND COORDINATION</b>	<b>Role play /Toy making</b>	Understand nervous system in

			<p>human beings to know the reflex actions and its importance in showing response to a stimuli.</p> <p>2. Analyse the structure and function of the brain to know about the mechanism of nervous transmission.</p> <p>3. Discuss the process of coordination by the role of Hormones in the body .</p> <p>4. Catagorise the various tropic movements in plants to learn coordination in them.</p>
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Month	Topic	Activity	Learning outcomes
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<b>August</b>	<b>How do Organisms Reproduce</b>	Think Chrome	<ol style="list-style-type: none"><li>1. understand meaning of reproduction in perpetuation of life to know the significance of reproduction in life of all living beings</li><li>2. differentiate between asexual and sexual reproduction to understand the role of gametes and formation of zygote.</li><li>3. discuss the role of DNA and its importance producing variation during sexual reproduction.</li><li>4. Outline the importance of use of contraceptives in maintaining reproductive health.</li></ol>
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Month	Topic	Activity	Learning outcomes
October	<b>HEREDITY AND EVOLUTION</b>	<b>Match with Family</b>	<ol style="list-style-type: none"> <li>1. understand the role of DNA in heredity to get knowledge of DNA copying</li> <li>2. understand meaning of Heredity to know the significance of Chromosomes which carry traits of living organisms of a species.</li> <li>3. differentiate between Inherited traits and Acquired traits to understand the role of DNA and Genes in inheritance</li> </ol>





**SYLLABUS**

**CLASS X**

**SST (2024- 25)**

MONTH	TOPIC	ACTIVITY	LEARNING OUTCOMES
March - May	<p><b>Geography –</b>  <u>Chapter- 1</u>                      Resources and Development</p> <p><u>Chapter-2</u>                      Forest resources</p> <p><u>Chapter-3</u>                      water resources</p> <p><b>Political science-</b>  <u>Chapter-1</u>                      power sharing  <u>Chapter-2</u>                      Federalism</p> <p><b>Economics</b>  <u>Chapter1</u>                      Development  <u>Chapter -2</u>                      Sectors of economy</p>	<p>Mind mapping-                      Soil Resources</p> <p>Poster making                      /Slogan writing</p> <p>Article writing</p> <p>News Analysis</p> <p>News Analysis</p> <p>Data Analysis</p> <p>Data Analysis</p>	<p>Understand the value of resources and the need for their judicious utilization and conservation</p> <p>Understand the ability and knowledge of how forest and wildlife conservation and management relate to the economy and environment, both currently and in the future</p> <p>Comprehend the importance of water as a resource as well as develop awareness towards its judicious use and conservation.</p> <p>Familiarize with the centrality of power sharing in a democracy. Understand the working of spatial and social power sharing mechanisms</p> <p>Understand the importance of quality of life and sustainable development</p> <p>*Identify major employment generating sectors. Reason out the government investment in different sectors of economy economy</p>

	<p><b>History -</b> <u>Chapter-2</u> Nationalism in India</p>	Role play	<p><b>*Enable the learners to identify and comprehend the forms in which nationalism developed along with the formation of nation states in Europe in the post-1830 period.</b></p> <p><b>*Establish the relationship and bring out the difference between European nationalism and anticolonial nationalism</b></p>
July -August	<p><b>History</b> <u>Chapter 4-</u> Age of industrialisation</p> <p><u>Chapter 5-</u> Print culture</p> <p><b>Geography</b> <u>Chapter 4</u> Agriculture resources</p>	<p>Ad Designing</p> <p>Book Cover Design</p> <p>Concept map</p>	<p><b>Familiarize with the ProtoIndustrial phase and Early – factory system</b></p> <p><b>Enable them to understand industrialization in the colonies with reference to Textile industries</b></p> <p><b>Familiarize with pictures, cartoons, extracts from propaganda literature and newspaper debates on important events and issues in the past</b></p> <p><b>Identify various types of farming and discuss the various farming methods; describe the spatial distribution of major crops as well as understand the relationship between rainfall regimes and cropping pattern</b></p>

	<p><u>Chapter 5</u> Mineral resources</p> <p><b>Political science</b> <u>Chapter 4-</u> Gender religion and caste</p> <p><b>Economics</b> <u>Chapter 3-</u> Money and credit</p> <p><u>Chapter 4</u> Globalisation</p>	<p>Map file</p> <p>Slogan writing/poster making</p> <p>Role-Play</p> <p>Comparison Chart Making</p>	<p><b>Identify different types of minerals and energy resources and places of their availability.</b> <b>Feel the need for their judicious Utilization</b></p> <p><b>Recognize the enabling and disabling effects of caste and ethnicity in politics.</b> <b>☑ Develop a gender perspective on Politics</b></p> <p><b>Understand money as an economic concept.</b> <b>☑ Understand the role of financial institutions from the point of view of</b> day-to- day life</p> <p>Explain the working of the Global Economic phenomenon</p>
<p>October- November</p>	<p><b>History</b> <u>Chapter 1 -</u> Nationalism in Europe</p> <p><u>Chapter 3-</u> Making of global World</p>	<p>Gallery walk</p> <p>Time line Chart</p>	<p><b>Recognize the characteristics of Indian nationalism through a case study of Non-Cooperation and Civil Disobedience Movement.</b> <b>☑ Analyze the nature of the diverse social movements of the time.</b> <b>☑ Familiarize with the writings and ideals of different political groups and individuals</b></p> <p><b>Show that globalization has a long history and point to the shifts within the process.</b> <b>Analyze the implication of globalization for local economies</b></p>

	<p><b>Geography</b>  <u>Chapter 6-</u>  Manufacturing industries</p> <p><u>Chapter 7-</u>  lifelines of an economy</p>	<p>Map file</p> <p>Brochure making</p>	<p><b>Bring out the importance of industries in the national economy as well as understand the regional disparities which resulted due to concentration of industries in some areas</b></p> <p><b>Explain the importance of transport and communication in the ever-shrinking world</b></p>
	<p><b>Political science</b>  <u>Chapter 6-</u>  Political parties  <u>Chapter 7-</u>  Outcomes of democracy</p>	<p>Manifesto Making</p> <p>Cartoon caricature</p>	<p><b>Introduction to major political parties, challenges faced by them and reforms in the country</b></p> <p><b>Evaluate the functioning of democracies in comparison to alternative forms of governments</b></p>

**SUBJECT: - INFORMATION TECHNOLOGY**

<b>Month</b>	<b>Topic</b>	<b>Activity</b>	<b>Learning Objective</b>
April	Digital Documentation-II	<ul style="list-style-type: none"> <li>• Create a 5 page report on topic – “How to cure pollution” Using template, styles, Table of content, and various images.</li> </ul>	<ul style="list-style-type: none"> <li>• Create and Apply styles in the document.</li> <li>• Insert and use images in document.</li> <li>• Create and use template.</li> <li>• Create and customize table of contents.</li> </ul>
	Communication skills-II	<ul style="list-style-type: none"> <li>• Carefully observe the types of communications taking place in your school and make a list of these. Identify and write any types of communication barrier taking place in these conversations.</li> </ul>	<ul style="list-style-type: none"> <li>• Demonstrate knowledge of various methods of communications.</li> <li>• Provide descriptive and specific feedback.</li> <li>• Apply measures to overcome barriers in communication.</li> <li>• Apply principles of communication.</li> <li>• Demonstrate the knowledge of Basic writing skills</li> </ul>
May	Electronic Spreadsheet-II	<ul style="list-style-type: none"> <li>• Create a spreadsheet with a monthly report of any shop/business. Analyze the data using What If tools, also use data consolidation, Solver and subtotals function</li> </ul>	<ul style="list-style-type: none"> <li>• Analyze data using scenario, solver and goal seek.</li> <li>• Using consolidate data, Creating subtotals</li> <li>• Link data and spreadsheets.</li> <li>• Share and review a spreadsheet.</li> <li>• Create and use Macro in spreadsheet.</li> </ul>

July	Self-management Skills-II	<ul style="list-style-type: none"> <li>Identify and list 5 abilities of your own and compare them with your Interests.</li> </ul>	<ul style="list-style-type: none"> <li>Apply stress management techniques.</li> <li>Demonstrate the ability to work independently.</li> </ul>
	ICT Skills-II	<ul style="list-style-type: none"> <li>Identify any four Applications of Internet and give their uses.</li> </ul>	<ul style="list-style-type: none"> <li>Understand the role of ICT in day-to-day life.</li> <li>Identify the various components of computer system.</li> <li>Identify the various peripheral devices.</li> <li>Perform the basic computer operations.</li> <li>Connect with the world using Internet and its applications.</li> </ul>
August	Entrepreneurial Skills-II	<ul style="list-style-type: none"> <li>Think of a problem around you and think of a possible product/ service that will solve the problem. Write a sample business plan for your idea</li> </ul>	<ul style="list-style-type: none"> <li>List the characteristics of a successful entrepreneur.</li> <li>Understand the role of Entrepreneurs in society and vice versa.</li> <li>Identify the Myths related to entrepreneurs. List entrepreneurship as a career option.</li> </ul>
	Revision		
September	Half Yearly Exams		
October	Database Management System	<ul style="list-style-type: none"> <li>Create a table using open office base.</li> <li>Perform the Select, Insert, Create table and Update SQL commands on the table.</li> </ul>	<ul style="list-style-type: none"> <li>Appreciate the concept of database management system.</li> <li>Create and edit tables using wizard and SQL commands.</li> <li>Perform operations on table.</li> </ul>

			<ul style="list-style-type: none"> <li>• Retrieve data using query.</li> <li>• Create Forms and Reports using wizard.</li> </ul>
November	Web Application and Security	<ul style="list-style-type: none"> <li>• Carefully create an evacuation plan of your home/building.</li> <li>• Create a poster on Types of Accidents &amp; Emergencies.</li> <li>• Write a report on Handling Accidents &amp; Emergencies at workplace and schools.</li> </ul>	<ul style="list-style-type: none"> <li>• Maintain workplace safety</li> <li>• Prevent Accidents and Emergencies</li> <li>• Protect Health and Safety at work</li> </ul>
	Green skills-II	Collect past pictures of any area in your city from the internet and compare how land coverage /usage has changed. How much land was open area compared to now habitual land. Mark changes in these areas in terms of land coverage, land usage, population and other similar factors. Register the changes per decade since the independence of India.	<ul style="list-style-type: none"> <li>• Demonstrate the knowledge of importance, problems and solutions related to sustainable development.</li> </ul>
December	Revision		
	Revision		
January	Revision		

## संस्कृत SYLLABUS X (24-25)

Month	Chapter	Learning outcome	Activity
अप्रैल	प्रत्यय समय लेखन वाङ्मयं तपः नास्ति त्याग समं सुखं अपठित गद्यान्श	वैचारिक क्षमतायाः विकासः व्याकरणात्मक ज्ञानवर्धनं	भिन्न गतिविधि मध्यमेन छात्रणाम पाठ हेतोः रुचि जागरणं कृतम्।
मई	संधि स्वर, व्यञ्जन, विसर्ग रमणीया हि शृष्टि एषा आज्ञा गुरुणां हि विचारणीया	अभिव्यक्ति विकासः भविष्यति। संस्कृत साहित्यिक रुचिवर्धनं अपि भविष्यति।	प्रश्न निर्माण क्रीडा द्वारा ज्ञानवर्धनं संधि मेलन क्रीडा प्रत्यय स्मरणं
जुलाई	अभ्यासवशगं मनः राष्ट्रं संरक्ष्यमेव हि समास पत्र लेखन अव्यय	रचनात्मक क्षमतायाः विकासः अभिव्यक्ति विकासः व्याकरणात्मक ज्ञान वृद्धि	पाठ प्रश्नोत्तरी वादविवाद क्रीडा लेखनाभ्यासः
अगस्त	साधुवृत्तिं समाचरेत् तिरुक्कुरल् सूक्ति सौरभं कथा पूर्ति वाच्य परिवर्तन	अभिव्यक्ति विकासः भविष्यति। संस्कृत साहित्यिक रुचिवर्धनं अपि भविष्यति।	अभ्यासार्थ अभिनयं भ्रमण विज्ञानं परिचर्चा वाक्य विज्ञानं गतिविधि
अक्टूबर	सुस्वागतम् भो अरुणाचलेस्मिन् अशुद्धि संशोधनं	वैचारिक क्षमतायाः विकासः व्याकरणात्मक ज्ञान	क्रीडा माध्यमेन अशुद्धि ज्ञानं अरुणाचलं चलचित्रं माध्यमेन



<u>Months</u>	<u>Leçon</u>	<u>Thème</u>	<u>Communication</u>	<u>Grammaire + Notion</u>
<b>April</b>	L-2 : Après le bac	* L'enseignement	* demander un avis * demander/donner un renseignement * exprimer la volonté	* le système d'éducation en France/en Inde * le CROUS
<b>May</b>	L-3 : Chercher du travail	* Le travail	* se renseigner * décrire la carrière professionnelle * conseiller quelqu'un	* le monde du travail * l'ANPE * le CV
<b>July</b>	L-4 : Le plaisir de lire	* La lecture	* s'inscrire à la bibliothèque * Inviter quelqu'un * raconter un événement/une fable	* une bibliothèque * les extraits des textes
<b>July</b>	L-5 : Les médias	* l'information * les nouvelles	* s'informer * raconter des faits divers * décrire une émission télévisée	* la télévision * la radio * la presse * la publicité
<b>August</b>	L-6 : Chacun ses goûts	* les goûts/les préférences * les loisirs	* exprimer ses goûts * inviter quelqu'un * raconter une histoire * décrire une visite au musée/au cinéma	* les pronoms démonstratifs simples et composés * le pronom 'on' * l'emphase : c'est...qui, c'est...que
<b>August</b>	L-7 : En pleine forme	* la bonne santé	* parler de la bonne forme physique * discuter de bonnes Habitudes de vie * s'informer de la santé de quelqu'un * exprimer son état de santé	* les pronoms possessifs
<b>Septembre</b>	L-8 : L'environnement	* sauver la planète protéger * l'environnement	* parler de l'environnement * faire des projets pour sauver la planète * exprimer la nécessité/ la volonté/ les sentiments	* le subjonctif
<b>Septembre</b>	L-9 : Métro-Boulot Dodo	* parler de la vie urbaine d'aujourd'hui * parler des moyens de transport publics * exprimer un	* le conditionnel passé * ne ... pas + infinitif du verbe * si + plus-que- parfait + conditionnel passé	* les titres de transport (métro /bus/train) * les 'bateaux mouches' * les stations de métro

		désir/un regret * interdire		
<b>Octobre</b>	L-10 : Vive la République	* Le système politique	* discuter du système politique * téléphoner à quelqu'un * rapporter un discours	* le discours rapporté