

JVM SENIOR SECONDARY SCHOOL,SONIPAT

ANNUAL CALANDER-2023

CLASS-10

**Subject-Mathematics**

Month	Chapter	Sub-Topics	Methodology	Teaching Aids/Instructional	Art Integrated Activities
April Week-1 Week-2	Chapter-1 (Real numbers)	<ul style="list-style-type: none"> <li>• Fundamental theorem of arithmetic</li> <li>• Proof of irrationality</li> </ul>	<ul style="list-style-type: none"> <li>• Recapitulation exhibiting memory of previously learned material in class IX by recalling terms facts</li> </ul>	Chalk board, Duster	<ul style="list-style-type: none"> <li>• Draw Eratosthenes scene of prime numbers (1-100) with the help of different colours sketch pens on A-4 size sheet.</li> <li>• Draw sketch of Euclid</li> <li>• Help of diagram show compactness</li> </ul>

<p>Week-3</p> <p>Week-4</p>	<p>Chapter -2 (polynomials)</p>	<ul style="list-style-type: none"> <li>• Zeros of a polynomial</li> <li>• Relationship between zeros and coefficients</li> </ul>	<p>concepts and answers</p> <ul style="list-style-type: none"> <li>• Heuristic approach</li> <li>• Inductive , deductive method</li> <li>• Project based method is induced</li> </ul> <ul style="list-style-type: none"> <li>• Project based method is induced</li> </ul>	<p>number system.</p> <ul style="list-style-type: none"> <li>• With the help of thread represent different type of curves which have 1 real root, 2 real roots, and 3 real roots respectively.</li> <li>• Draw a tree depicting polynomial in which branches can be divided on the basis of degree as well as terms.</li> </ul>
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MAY					
Week-1	Chapter -3 (Pair of linear equations in two variables)	<ul style="list-style-type: none"> <li>Graphical presentation of pair of eq.</li> <li>Consistency/Inconsistency of lines</li> <li>Algebraic methods- Subtraction Elimination Simple Situational Problem</li> <li>Simple problem on reducible to linear equations.</li> </ul>	<ul style="list-style-type: none"> <li>Different aspects of concept used in daily life.</li> <li>Engagement of students by asking various practical situation.</li> </ul>	<ul style="list-style-type: none"> <li>To investigate the conditions for consistency and inconsistency of a system of pair of linear equation.</li> </ul>	<ul style="list-style-type: none"> <li>Draw stained glass window on A-4 size sheet.</li> <li>Draw a nature scene using different line forms.</li> <li>On a chart paper draw three real life application of parallel lines, intersecting lines and coincident lines</li> </ul>
Week-2					
Week-3					



		<ul style="list-style-type: none"> <li>• Sum of the first n terms of AP</li> <li>• Application in solving practical problems</li> </ul>	<ul style="list-style-type: none"> <li>• Thought provoking, open ended questions will be asked</li> <li>• Learner's initiative has to be encouraged and appreciated</li> </ul>		
JUNE	Summer Vacation				
JULY Week-1	Chapter-6 (Similar Triangles)	<ul style="list-style-type: none"> <li>• Definitions, examples, counter examples of similar triangles.</li> <li>• State and prove</li> </ul>	<ul style="list-style-type: none"> <li>• Constructivism approach advanced organizers increases</li> </ul>	Handouts, prompts, modeling, concept maps	<p>Cooperate learning is constructivism</p> <p>The students will be able to verify the BPT using coloured papers of different types of triangles(paper</p>

Week-2		<p>basic propornality theorem and Pythagoras theorem with their converses</p> <ul style="list-style-type: none"> <li>• Area theorems of two similar triangles</li> </ul>	<p>scaffolding.</p>		<p>folding activity) proof of Pythagoras theorem</p>
Week-3	Chapter-8				<p>Group activity-</p> <ul style="list-style-type: none"> <li>• Student will prepare a chart based on values of angles <math>0^{\circ}</math>, <math>30^{\circ}</math>, <math>45^{\circ}</math>, <math>60^{\circ}</math>, <math>90^{\circ}</math> and its geometrical interpretation</li> </ul>
Week-4	(Introduction to Trigonometry)	<ul style="list-style-type: none"> <li>• T-Ratios of an acute angle of a right-angled triangle.</li> <li>• Proof of their existence.</li> <li>• Geometrical interpretation</li> </ul>	<ul style="list-style-type: none"> <li>• Explanation in the form of presentation</li> <li>• Team-coordination work to be assigned to a group</li> </ul>		<ul style="list-style-type: none"> <li>• Students will make a chart based on T-Ratios and trigonometric identities.</li> </ul>

		<p>of value of T-Ratio from <math>0^{\circ}</math> to <math>90^{\circ}</math></p> <ul style="list-style-type: none"> <li>Relationships between T-Ratios(i.e. Trigonometric identities)</li> </ul>	<p>solving certain problem</p>		
<p>AUGUST</p> <p>Week-1</p> <p>Week-2</p> <p>Week-3</p>	<p>Chapter-14 (Statistics)</p> <p>Chapter-15 (Probability)</p>	<ul style="list-style-type: none"> <li>Mean</li> <li>Median and mode of grouped data (bimodal situation to be avoided)</li> <li>Classical definition of probability</li> <li>Simple problems on finding the probability of an event.</li> </ul>	<ul style="list-style-type: none"> <li>Power point presentation, various statistical data were represented</li> </ul>	<p>Dice, Cards, Spinners</p>	<ul style="list-style-type: none"> <li>Probability generating a random number from 0 to 10(students will prepare a medal based on sample space of some events Tossing a</li> </ul>

					coin, throwing of a dice , 2 dice simultaneously, cards and its grouping)
SEPTEMBER	Half Yearly Examination				
OCTOBER	Chapter - 7 (Coordinate geometry)	<ul style="list-style-type: none"> <li>• Concept of coordinate geometry</li> <li>• Graph of linear equation</li> <li>• Distance formula</li> <li>• Section formula(internal division)</li> </ul>	<ul style="list-style-type: none"> <li>• Geo-board(location of a point and explaining the distance formula)</li> <li>• Explanation method</li> </ul>	<ul style="list-style-type: none"> <li>• Papers of different colours</li> </ul>	<ul style="list-style-type: none"> <li>• To verify that medians of a triangle and centroid activity based on paper folding.</li> </ul>
Week-1					
Week-2					
Week-3	Chapter	<ul style="list-style-type: none"> <li>• Angle of elevations, angle</li> </ul>		<ul style="list-style-type: none"> <li>• Clinometer</li> </ul>	<ul style="list-style-type: none"> <li>• Mathematical instrument(clinometer) to measure angle of</li> </ul>



Week-4	<p>-9 (Heights and Distance)</p> <p>Chapter -10 (Circle)</p>	<p>of depression</p> <ul style="list-style-type: none"> <li>• Simple problems on heights and distances.</li> <li>• Angle should be <math>30^{\circ}, 45^{\circ}, 60^{\circ}</math></li> <li>• Tangents to a circle,</li> <li>• at point of contact</li> <li>• The- Tangents drawn from an external points are equal</li> <li>• Tangent at any point of a circle is perpendicular to the radius through the point of contact.</li> </ul>	<ul style="list-style-type: none"> <li>• Investigation technique</li> <li>• By designing clinometer, by doing experiment of measuring height of a nearby building</li> <li>• Drawing skills will be enhanced</li> <li>• Guided discovery</li> </ul>	<p>elevation/depression (design a clinometer)</p> <ul style="list-style-type: none"> <li>• To verify that length of tangents drawn from an external point to a circle are equal (Drawing activity by thread and wool)</li> </ul>
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NOVEMBER	<p>Chapter -12 (Areas related to circle)</p> <p>Chapter -11 (construction)</p>	<ul style="list-style-type: none"> <li>• About the area and perimeter of circle</li> <li>• Area of sectors and segment of circle</li> <li>• Area of segment of a circle</li> <li>• Problem based on central angle of <math>60^\circ</math>, <math>90^\circ</math> and <math>120^\circ</math> only</li> <li>• Plane figures involving triangles, simple quadrilateral and circles.</li> <li>• Construction of bisectors of line segment</li> <li>• Angle of bisectors of measure <math>60^\circ</math>, <math>90^\circ</math>, <math>45^\circ</math> etc. equilateral triangles</li> </ul>	<ul style="list-style-type: none"> <li>• Exposition Method</li> <li>• (Clear and proper sequenced explanation by teachers of idea or concept)</li> <li>• (Visualizing to figures)</li> </ul>	Clear and prop 2D 3D shapes	<ul style="list-style-type: none"> <li>• Area of sectors formed at the vertices of triangle.</li> </ul>
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		<ul style="list-style-type: none"> <li>• Construction of triangle given its base.</li> </ul>			
DECEMBER Week-1	Chapter -13 (Surface Areas and Volumes)	<ul style="list-style-type: none"> <li>• Surface areas and volumes of combination of any two of following-cube, cuboids, spheres, hemispheres, cylinders/cones.</li> </ul>	<p>Guided Discovery Method</p> <ul style="list-style-type: none"> <li>• Teacher presenting a situation and pupil study situation in order to discover some concept</li> <li>• Visualizing the models to understand</li> </ul>	3D shapes	<ul style="list-style-type: none"> <li>• To suggest a formula for volume of sphere experimentally</li> <li>• To find the surface area of a sphere</li> <li>• To make a cone of given slant length and base circumference</li> </ul>
Week-2					

			nd the concepts		
JANUARY	Pre- Board	REVISION FOR ANNUAL EXAM			
FEBRUARY	ANNUAL EXAMINATION				

**Annual Planner – 2023-24**

**Information Technology**

**Class –X**

Month	Chapter	Sub Topics	Art integration	Methodolo gy	Teaching Aids
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<p>April</p>	<p>UNIT 3: DIGITAL DOCUMENTATI ON</p>	<ul style="list-style-type: none"> <li>• Introduction to word processing,</li> <li>• Word processing applications,</li> <li>• Introduction to Word Processing tool</li> <li>• Creating a document, Parts of a Word Processor Window, Cursor and mouse pointer.</li> <li>• List the available word processing applications.</li> <li>• Introduce with the parts of the main window.</li> <li>• Change document views.</li> <li>• Start a new document.</li> <li>• Open an existing document.</li> <li>• Save a document.</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to word processing, • Word processing applications,</li> <li>• Introduction to Word Processing tool</li> <li>• Creating a document, Parts of a Word Processor Window, Cursor and mouse pointer.</li> <li>• List the available word processing applications.</li> <li>• Introduce with the parts of the main window.</li> <li>• Change document views. • Start a new document.</li> <li>• Open an existing</li> </ul>	<p>Make a poster of office application programs</p>	<p>Demonstration method</p>
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		<ul style="list-style-type: none"><li>• Selection criteria,</li><li>• Selecting non-consecutive text items, •</li><li>• Selecting a vertical block of •</li><li>• text,</li><li>• Find and replace option,</li><li>• Jumping to the page number,</li><li>• Non-printing characters,</li><li>• Checking spelling and grammar,</li><li>• Using Synonyms and Thesaurus.</li></ul>	<p>from the text and replace it with another word.</p> <ul style="list-style-type: none"><li>• Jump to the given page number in a document,</li><li>• Insert non-printing characters in a document,</li><li>• Check spelling and grammar and apply the changes to the document. •</li><li>• Demonstrate to use Synonyms and Thesaurus.</li></ul>		
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<p>May</p>	<p>Apply formatting features</p>	<p>Page style dialog, •          Formatting text –          Removing manual          formatting, • Common          text formatting, •          Changing text case, •          Superscript and          Subscript, • Formatting          paragraph – Indenting          paragraphs, • Aligning          paragraphs, Font          colour, highlighting,          and background          colour, • Using bullets          and numbering, •          Assigning colour,          border and background          to paragraph • Page          formatting – setting up          basic page layout using          styles, Inserting page          break, • Creating          header/footer and          page numbers, •          Defining borders and          backgrounds, •          Inserting images          shapes, special          characters in a          document, • Dividing</p>	<p>Apply various          text formatting          options for the          text, •          Demonstrate to          format          paragraphs –          indent/align          paragraphs,          assign font          colour,          highlighting, and          background          colour, • Assign          number or          bullets to the          lists items, •          Demonstrate to          assign colour,          border and          background to          paragraph, •          Demonstrate the          page formatting          – set up basic          page layout using          styles, • Insert          page break,          Create          header/footer          and page</p>		
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		page into columns, • Formatting the shape or image	numbers, • Define borders and backgrounds • Insert images, shapes, special characters in a document, • Divide page into columns, • Format the shape or image.		
June	<b>Summer Break</b>				

<p>July</p>	<p>Create and work with table</p>	<p>Creating table in Word Processor,</p> <ul style="list-style-type: none"> <li>• Inserting row and column in a table,</li> <li>• Deleting rows and columns,</li> <li>• Splitting and merging tables,</li> <li>• Deleting a table,</li> <li>• Copying a table,</li> <li>• Moving a table.</li> </ul> <p>• Demonstrate and do the following in Word Processor:</p> <ul style="list-style-type: none"> <li>• Create table,</li> <li>• Insert and delete rows and column in a table,</li> <li>• Split and merge tables,</li> <li>• Delete a table,</li> <li>• Copy or move from one</li> </ul>	<p>Creating table in Word Processor, •</p> <ul style="list-style-type: none"> <li>Inserting row and column in a table,</li> <li>• Deleting rows and columns,</li> <li>• Splitting and merging tables,</li> <li>• Deleting a table, •</li> <li>Copying a table, •</li> <li>Moving a table. •</li> </ul> <p>Demonstrate and do the following in Word Processor:</p> <ul style="list-style-type: none"> <li>• Create table,</li> <li>• Insert and delete rows and column in a table, •</li> <li>Split and merge tables,</li> <li>• Delete a table,</li> <li>• Copy or move from one location to another location</li> </ul>		
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		location to another location of document.	of document.		
August	UNIT 2: DATA ENTRY AND KEYBOARDING SKILLS	<ul style="list-style-type: none"> <li>• Keyboarding Skills, • Types of keys on keyboard, Numeric keypad,</li> <li>• Home keys, Guide keys,</li> <li>• Typing and deleting text,</li> </ul>	<ul style="list-style-type: none"> <li>• Identify the keys and its use on the keyboard,</li> <li>• Demonstrate to use various keys on the keyboard,</li> <li>• Demonstrate</li> </ul>	Lecture method Discussion method	Course book, white board, marker, duster, pictures of typewriter

		<ul style="list-style-type: none"><li>• Typing ergonomics,</li><li>• Positioning of fingers on the keyboard, Allocation of keys to fingers on four different rows,</li><li>• Pointing device – Mouse, Mouse operations</li></ul>	<p>to type the text, numbers, special character using appropriate keys on the keyboard,</p> <ul style="list-style-type: none"><li>• Practice the correct typing ergonomics,</li><li>• Practice to place fingers on correct key in four different row of keyboard,</li><li>• Practice various mouse operations.</li></ul> <p>Make a different categories of typewrite</p> <p>Make a chart Depicting origin</p>		
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		Use typing software	<p>and Life history of typewriter.</p> <p>Identify the user interface of</p> <ul style="list-style-type: none"> <li>• typing tutor, • Practice to type text in typing tutor software and interpret the results,</li> <li>• Practice to work in lesson editor,</li> <li>• Calculate the typing speed,</li> <li>• Practice to improve typing</li> <li>• Using typing tutor software.</li> </ul>	<p>Introduction to Rapid Typing Tutor, • Touch typing technique, • User interface of Typing Tutor, • Typing text and interpret results, •</p>	
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				Working with lesson editor, • Calculating typing speed, • Typing rhythm.	
September	Revision				
October	UNIT 1: INTRODUCTION TO IT-ITeS INDUSTRY	<ul style="list-style-type: none"> <li>• Introduction to IT and ITeS, BPO services,</li> <li>• BPM industry in India,</li> <li>• Structure of the IT-BPM industry,</li> <li>• Applications of IT in home computing, everyday life, library, workplace, education, entertainment, communication, business, science and engineering, banking, insurance, marketing,</li> </ul>	<p>Model on IT Industry</p> <p>Chart tabulation on Application of ITeS</p> <p>Identify and list the various IT enabled services, Observe the application of IT in various areas.</p>	Lecture method Discussion method	Course book, white board, marker, duster,

		health care, IT in the government and public service,			
November	Information and Communication Technology Skill	<p>Session 1</p> <p>Introduction: to ICT</p> <p>Session 2:</p> <p>Basic</p> <p>Interface of</p> <p>Session 3:</p> <p>Saving,</p> <p>Closing,</p> <p>Opening and</p> <p>Printing</p> <p>Document</p> <p>Session 4:</p> <p>Formatting</p> <p>Text in a</p>	Make a file using different features of writer	Lecture method Demonstration method	Course book, white board, marker, duster, computer, open office



Word

Document

Session 5:

Checking

Spelling and

Grammar

Session 6:

Inserting

Lists, Tables,

Pictures, and

Shapes

Session 7:

Header,

Footer and

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		Page Number Session 8: Tracking Changes in LibreOffice Writer			
Decem ber	Entrepreneur ship Skills	Introduction to Entrepreneur ship Session 2: Values of an Entrepreneur Session 3: Attitude of an Entrepreneur Session 4: Thinking Like an Entrepreneur Session 5: Coming Up with a Business Idea	GROUP discussion related to ideas for business Group activity :  Interviewing employees and entrepreneurs  Prepare a chart on e waste	Lecture method Discussi on Method	Course book, white board, marker, duster, pointer

		<p>Session 6: Understanding the Market</p>	<p>management</p> <p>Make something new with waste news paper to reduce wastage</p> <p>Make a Sapling</p>		
January	UNIT 4: ELECTRONIC SPREADSHEET	<ul style="list-style-type: none"> <li>• Introduction to spreadsheet application,</li> <li>• Starting a spreadsheet,</li> <li>• Parts of a spreadsheet</li> <li>• Worksheet – Rows and columns, Cell and cell address,</li> <li>• Range of cell – column range, row range, row and column range.</li> </ul>	<ul style="list-style-type: none"> <li>• Introduction to spreadsheet application, • Starting a spreadsheet, • Parts of a spreadsheet • Worksheet – Rows and columns, Cell and cell address,</li> <li>• Range of cell – column range, row</li> </ul>	<p>Make a poster of office application programs</p>	<p>Demonstration method</p>

		<ul style="list-style-type: none"> <li>• Start the spreadsheet ,</li> <li>• Identify the parts of Calc,</li> <li>• Identify the rows number, column number, cell address,</li> <li>• Define the range of cell,</li> <li>• Identify row range, column range, row &amp; column range</li> </ul> <ul style="list-style-type: none"> <li>• Different types of data,</li> <li>• Entering data – Label, Values, Formula •</li> <li>Formula, how to enter formula,</li> </ul>	<p>range, row and column range.</p> <ul style="list-style-type: none"> <li>• Start the spreadsheet ,</li> <li>• Identify the parts of Calc,</li> <li>• Identify the rows number, column number, cell address,</li> <li>• Define the range of cell,</li> <li>• Identify row range, column range, row &amp; column range</li> </ul> <p>Demonstrate to enter the text, numeric data in a cell, • Identify the label, values and</p>		
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		<ul style="list-style-type: none"><li>• Mathematical operators used in formulae,</li><li>• Simple calculations using values and operators,</li><li>• Formulae with cell addresses and operators,</li><li>• Commonly used basic functions in a spreadsheet – SUM, AVERAGE, MAX, MIN, Count</li><li>• Use of functions to do calculations.</li></ul>	<p>formula in the cell,</p> <ul style="list-style-type: none"><li>• Demonstrate to enter formula in a cell,</li><li>• Construct the formula using mathematical operators,</li><li>• Identify formulae with cell addresses and operators,</li><li>• Identify the correct syntax of formula,</li><li>• Use the basic functions to perform calculations on data.</li></ul>		
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Februa	<b>Revision</b>				

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**ANNUAL PLANNER (2023-24)**  
**CLASS – X**  
**SCIENCE**

MONTH	week	TOPIC	SUBTOPIC	ACTIVITIES	METHODOLOGIES	TEACHING AIDS
April	1 <sup>st</sup> week	Chemical Reactions and equations	➤ Chemical equation, balanced chemical equation, implications of a balanced chemical equations,	1)Develop a game using cards or thick sheets. Write symbols of elements, formulae, valence and names of various reactions on different cards. These can be used for balancing equations and classifying the types of reactions.  2)Identify and note at least ten chemical reactions taking place in your home/kitchen and give reasons for the	Discussion Observation Explanation	Chalk, duster, Green board, Smart board.
	2 <sup>nd</sup> week		➤ Types of chemical reactions: combination, decomposition,			
	3 <sup>rd</sup> week		➤ displacement, double displacement, precipitation, neutralization,			

	4 <sup>th</sup> week		<ul style="list-style-type: none"> <li>➤ oxidation and reduction, corrosion and rancidity.</li> </ul>	<p>same.</p> <p>3)Take an iron nail and put it in a transparent container filled with water. Take a picture of it. Leave it for a few days and then record your observations. Compare it with the photo you took initially.</p> <p>4)With the help of different figures (like square, circle, arrows etc.), draw a diagram to show following chemical reactions- Combination, Decomposition, Single displacement and Double displacement.</p>		
May	1 <sup>st</sup> week	Acids , Bases and Salts	<ul style="list-style-type: none"> <li>➤ Introduction ,Indicators,strong and</li> </ul>	<p>1)Make a concept Map depicting the properties of Acid and Base on A4 sheet.</p> <p>2)Wander and select at</p>	Discussion Observation Explanation	Chalk, duster, Green board, Smart

July	2 <sup>nd</sup> week		<p>week acid,dil. and conc.acid</p> <ul style="list-style-type: none"> <li>➤ Chemical reactions of acids,</li> </ul>	<p>least twenty substances used in your home. Make a table and classify them into Acids, Bases or Salts.</p>		board
	3 <sup>rd</sup> week		<ul style="list-style-type: none"> <li>➤ Introduction of bases</li> <li>Chemical properties of base</li> </ul>			
	4 <sup>th</sup> week		<ul style="list-style-type: none"> <li>➤ concept of ph scale, importance of ph in everyday life,</li> </ul>			
	1 <sup>st</sup> week		<ul style="list-style-type: none"> <li>➤ preparation and uses of sodium hydroxide, bleaching powder,</li> </ul>			
	2 <sup>nd</sup> week		<ul style="list-style-type: none"> <li>➤ washing soda and plaster of paris</li> </ul>			
July	3 <sup>rd</sup> week	Metals and Non-metals	<p>Properties of metals and non-metals, reactivity series, formation and properties of ionic bond,</p>	<p>1)Make an assignment on 'Five Most Precious Metals' . Also write properties of each. 2)Make cards of Metals of Reactivity series. These cards can be used as a game to learn who can replace whom. 3)Make a chart on 'Steps involved in the extraction</p>	<p>Discussion Observation Explanation</p>	<p>Chalk, duster, Green board, Smart board</p>
	4 <sup>th</sup> week		<p>metallurgy, corrosion and its prevention</p>			



				of metals from ores'.		
August	1 <sup>st</sup> week	Carbon and its Compounds	Covalent bonding in carbon compounds, versatile nature of carbon,	1) Make a model showing bonding in Graphite/Diamond/Buckminsterfullerene using matchsticks. 2) Make an assignment on Nomenclature of Functional Groups. Make members upto six carbons. 3) On an A4 sheet compare the properties of Ethanol and Ethanoic acid.	Discussion Observation Explanation	Chalk, duster, Green board, Smart board
	2 <sup>nd</sup> week		Homologous series, nomenclature of carbon compounds containing functional groups (halogens, alcohol, aldehydes, ketones, alkenes and alkynes),			
	3 <sup>rd</sup> week		difference between saturated and unsaturated hydrocarbons, chemical properties of carbon compounds (combustion, oxidation, addition and substitution).			
	4 <sup>th</sup> week		Ethanol and Ethanoic acid (only properties and uses), soaps and detergents.			
						Chalk, duster, Green board, Smart board
Biology	1 <sup>st</sup> week	Life	Living Being, Basic concept of	1) Draw a Mind map of	Discussion	Chalk,

<b>April</b>	<b>2<sup>nd</sup> week</b>	<b>Processes</b>	<b>nutrition</b>	<b>Different types of mode of nutrition. 2)Make a model/chart of Human Digestive system/Human Respiratory system. 3)Make a model/chart of Human Heart/Human Excretory system.</b>	<b>Observation Explanation</b>	<b>duster, Green board, Smart board</b>
	<b>3<sup>rd</sup> week</b>		<b>Introduction of respiration, respiration in plants</b>			
	<b>4<sup>th</sup> week</b>		<b>Respiration in human beings and aquatic animals</b>			
	<b>May</b>		<b>1<sup>st</sup> week</b>			
	<b>2<sup>nd</sup> week</b>	<b>Transportation in animals</b>				
	<b>3<sup>rd</sup> week</b>	<b>excretion in plants</b>				
	<b>4<sup>th</sup> week</b>	<b>excretion in animals.</b>				
<b>July</b>	<b>1<sup>st</sup> week</b>	<b>Control and Co-ordination</b>	<b>Tropic movements in plants, Introduction of plant hormones,</b>	<b>1)Make a well labeled diagram of Neuron. 2) Make a chart/model of Human brain. 3)Make a diagram on A4 size sheet to locate various human endocrine glands. Also write the hormones released by these glands and their respective functions.</b>	<b>Discussion Observation Explanation</b>	<b>Chalk, duster, Green board, Smart board</b>
	<b>2<sup>nd</sup> week</b>		<b>control and co-ordination in animals: Nervous system,</b>			
	<b>3<sup>rd</sup> week</b>		<b>Voluntary, involuntary and reflex action,</b>			
	<b>4<sup>th</sup> week</b>		<b>animal hormones.</b>			
<b>August</b>	<b>1<sup>st</sup> week</b>	<b>How do Organisms</b>	<b>Reproduction in plants</b>	<b>1)Draw all the modes of Asexual Reproduction on</b>	<b>Discussion Observation</b>	<b>Chalk, duster,</b>

	2 <sup>nd</sup> week 3 <sup>rd</sup> week 4 <sup>th</sup> week	Reproduce ?	Reproduction in animals  reproductive health need and family planning methods,  HIV/AIDS, child bearing and women's health.	A4 sheet. 2) Make a chart of Male Reproductive System/Female Reproductive System. 3) Search on the internet and make a histogram to show the number of HIV-AIDS patients in past ten years. Also draw a conclusion from the data.	Explanation	Green board, Smart board
October	1 <sup>st</sup> week  2 <sup>nd</sup> and 3 <sup>rd</sup> week  4 <sup>th</sup> week	Heredity	Heredity, Mendel's contribution-  Laws for inheritance of traits,  sex determination	1) Make some cards on different traits exhibited by us like hair color, dry skin, skin color etc. These cards can be used as a game to identify whether the character is Inherited or Acquired trait.	Discussion Observation Explanation	Chalk, duster, Green board, Smart board
November	1 <sup>st</sup> week  2 <sup>nd</sup> week  3 <sup>rd</sup> week		Introduction, ecosystem, biotic and abiotic factors  Biodegradable and non biodegradable substances, food chain and trophic levels  Biological magnification and 10 percent law			

	4 <sup>th</sup> week		Ozone layer depletion			
Physics	1 <sup>st</sup> week	Light-Reflection and Refraction	Reflection of light by Plane mirror and laws of reflection	1)Make an assignment of Ray diagrams of Both spherical mirrors and spherical lenses. 2)Take a magnifying glass and focus the image of sun on a paper through it. Focus till the paper start burning. Identify the reason behind the burning of paper.	Discussion Observation Explanation	Chalk, duster, Green board, Smart board
April	2 <sup>nd</sup> week		curved surfaces, image formed by spherical mirrors,			
	3 <sup>rd</sup> week		centre of curvature, principal axis, principal focus, focal length, mirror formula,			
	4 <sup>th</sup> week		magnification			
May	1 <sup>st</sup> week		Refraction: Laws of refraction, refractive index			
	2 <sup>nd</sup> week		Refraction of light by spherical lenses,			
	3 <sup>rd</sup> week		image formed by spherical lenses, Lens formula,			
	4 <sup>th</sup> week		power of lens			
July	1 <sup>st</sup> week	Human Eye and Colourful World	Functioning of a lens in human eye,	1)Make a model/chart of Human eye. 2)Make a Comparison between Myopia and Hypermetropia with the help of ray diagrams.	Discussion Observation Explanation	Chalk, duster, Green board, Smart board
	2 <sup>nd</sup> week		defects of vision and their corrections,			

	3 <sup>rd</sup> week		refraction through prism, dispersion of light,			
	4 <sup>th</sup> week		scattering of light, applications in daily life.			
October	1 <sup>st</sup> week	Electricity	Electric current, potential difference, ohm's law,	1)Collect at least twenty materials of daily use. Differentiate them as Conductors or Insulators. Justify the reason. Paste/draw pictures of these materials on A4 size sheet under the appropriate category.  2)Make an Electricity Vocabulary Word wall on A4 sheet. Also draw the diagram against each word.  3)Draw a poster to depict various situations in which a person might get an electric shock.  4)With the help of different color threads,	Discussion Observation Explanation	Chalk, duster, Green board, Smart board
	2 <sup>nd</sup> week		resistance, resistivity, factors affecting the resistance of a conductor,			
	3 <sup>rd</sup> week		series combination of resistors, parallel combination of resistors and its application in daily life,			
	4 <sup>th</sup> week		Heating effects of electric current and its application in daily life, electric power			

				<p><b>Show Resistance of a System of Resistors (Resistors in Series and Resistors in Parallel). Also derive the formula to calculate net resistance in each type of circuit.</b></p>		
November	<p><b>1<sup>st</sup> week</b></p> <p><b>2<sup>nd</sup> and 3<sup>rd</sup> week</b></p> <p><b>4<sup>th</sup> week</b></p>	<p><b>Magnetic Effects of Electric current</b></p>	<p><b>Magnetic field, field lines, field due to a current carrying conductor,</b></p> <p><b>Fleming's left hand rule</b></p> <p><b>Fleming's right hand rule,</b></p> <p><b>domestic electric circuits.</b></p>	<p><b>1)On a white sheet, place a bar magnet and sprinkle iron fillings uniformly over it. Make a diagram of the same to show your observation.</b></p> <p><b>2)On an A4 sheet, draw/paste the pictures of various shapes/types in which magnets are available. Also write the materials in which these magnets are used.</b></p> <p><b>3)On an A4 sheet, draw schematic diagram of common domestic</b></p>	<p><b>Discussion</b></p> <p><b>Observation</b></p> <p><b>Explanation</b></p>	<p><b>Chalk,</b></p> <p><b>duster,</b></p> <p><b>Green board,</b></p> <p><b>Smart board</b></p>

				<b>circuit.</b>		
<b>May</b>		<b>unit test 1</b>			<b>October</b>	<b>unit test</b>
<b>July</b>		<b>unit test 2</b>			<b>November</b>	<b>unit test</b>
<b>September</b>		<b>Halfyearly</b>			<b>December</b>	<b>Preboard</b>
					<b>January</b>	<b>Preboard</b>

SUBJECT-ENGLISH

S.NO	MONTH	TOPIC	ART INTEGRATION ACTIVITY	METHODO LOGY	INSTRUTIONAL AID
1	APRIL  1 <sup>ST</sup> WEEK	<b>FIRST FLIGHT</b>  LESSON:A LETTER TO GOD	<b>A LETTER TO GOD</b>  1.Make MONEY ORDER ON A4 sheet and fill it  2.Role play of a farmer's life  3.Draw a picture of framers working in a field	LECTURE METHOD	

	2 <sup>ND</sup>	POEM:DUST OF SNOW	<p style="text-align: center;"><b>DUST OF SNOW</b></p> <p>1.Create a beautiful painting of DUST OF SNOW</p> <p>2. RECITE A POEM ON NATURE</p> <p>3.Make a poster on birds and trees which we consider ill omen</p>	INDUCTIVE METHOD	Green board Educomp smart class NCERT textbook duster
	3 <sup>RD</sup> WEEK	Fire and ICE	<p style="text-align: center;"><b>Fire and ICE</b></p> <p>1.Prepare beautiful flash cards showing the nature of Fire and Ice.</p> <p>2. RECITE A POEM ON UNIVERSE.</p> <p>3.Debate on the idea relating to ending of the</p>		



			universe.		
	4 <sup>TH</sup> WEEK	<p><b>FOOTPRINTS WITHOUT FEET</b></p> <p>LESSON:A TRIUMPH OF SURGERY</p>	<p><b>A TRIUMPH OF SURGERY</b></p> <p>1. Picture showing the rich and poor person</p> <p>2. Presentation on importance showing the balance diet</p> <p>3. Make a drawing showing different breed of dogs</p> <p>4. make a model on</p>	<p>INTERACTIVE</p> <p>LECTURE METHOD</p> <p>PROBLEM SOLVING METHOD</p> <p>COGNITIVE APPROACH</p>	

		<p><b>GRAMMAR:</b> TENSE,MODALS</p> <p><b>WRITING SECTION:</b>LETTER TO EDITOR</p>	<p>veterinary hospital</p> <p><b>TENSE,MODALS</b></p> <p>1.Prepare a chart on TENSES and MODALS</p> <p>2.Presentation on the correct usage of tenses and modals</p>	<p>METHOD</p>	
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2	MAY 1 <sup>ST</sup> WEEK	<b>FIRST FLIGHT</b>  LESSON:NELSON MANDELA	<b>NELSON MANDELA</b>  1.Role play of Nelson Mandela  2.make a chart how Mandela stood against apartheid system  3.make a painting of sandstone of different countries	INTERACTIVE CUM LECTURE METHOD	Green board  Educomp smart board  NCERT textbook
	2 <sup>ND</sup> WEEK	TWO STORIES ABOUT FLYING	<b>TWO STORIES ABOUT FLYING</b>  1.Make a beautiful painting of young seagull and his family  2. make a beautiful song and poem on parents  3.Model of jet and aeroplane by using waste material	STORY TELLING METHOD	



		ANIMALS	qualities of animals	COMMUNICATIVE METHOD	
	4 <sup>TH</sup> WEEK	<b>FOOTPRINTS WITHOUT FEET</b> LESSON:THE THIEF'S STORY	<b>THE THIEF'S STORY</b> 1. Make a sketch of your favourite writer 2.Speech on importance of education 3.Make a radio show how a thief converted into a good and civilized citizen 4.Role play of a writer and explain how he face hardships in his life  PASSIVE VOICE,SUBJECT-VERB AGREEMENT	STORY TELLING METHOD ALONG LECTURE METHOD	

			1.Present a conversation by showing the correct usage of subject verb concord		
	REVISION +UT	<b>GRAMMAR:</b> PASSIVE VOICE,SUBJECT- VERB AGREEMENT <b>WRITING SECTION:</b> LETTER OF ENQUIRY AND PLACING ORDER		CLASS ROOM ACTION RESEARCH METHOD	
3	JUNE	SUMMER VACATION	---	---	---

4	JULY	<b>FIRST FLIGHT</b>	<b>FROM THE DIARY OF ANNE FRANK</b>	DISCUSSION METHOD	Green board
	1 <sup>ST</sup> WEEK	LESSON:FROM THE DIARY OF ANNE FRANK	<p>1.Project on CONCENTRATION CAMP</p> <p>2.Make a beautiful cover page of your personal diary</p> <p>3.Make a diary jotting for your best or worst experience</p>		Educomp smart board NCERT textbook
	2 <sup>ND</sup> WEEK	HUNDRED DRESSES-1	<b>HUNDRED DRESSES-1</b>	COMMUNICATIVE METHOD	
			<p>1.Prepare a chart showing dresses of different colour and different deign</p> <p>2.Dramatic monologue of WANDA</p>	PROBLEM	





	<p>4<sup>TH</sup> WEEK</p>	<p><b>FOOTPRINTS WITHOUT FEET</b></p> <p>LESSON:THE MIDNIGHT VISITORS</p> <p>A QUESTION OF TRUST</p>	<p>use presence of mind</p> <p>2.Draw the pictures of the different weapon that a secret agent use</p> <p><b>A QUESTION OF TRUST</b></p> <p>1.Present the mono act of Horace Danby when he was arrested even he did not steal anything</p> <p>2.Make beautiful poem on truth and honesty and recite it</p> <p>REPORTED SPEECH</p> <p>1. Quiz on reported speech</p>	<p>STORY TELLING METHOD ALONG</p> <p>LECTURE METHOD</p>	
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		<p><b>GRAMMAR:REPORTED SPEECH</b></p> <p><b>WRITING SECTION:LETTER OF COMPLAINT</b></p>		<p>COGNITIVE APPROACH</p> <p>METHOD</p>	
5	<p>AUGUST</p> <p>1<sup>ST</sup> WEEK</p>	<p><b>FIRST FLIGHT</b></p> <p>LESSON:THE HUNDRED DRESSES-2</p>	<p><b>THE HUNDRED DRESSES-2</b></p> <p>1 . Role play of Maddie</p> <p>2. make mural painting showing different emotions of human being</p> <p>3.Present different talent of the students-anything from painting to dancing to singing or gardening</p>	<p>COMMUNICATIVE</p> <p>METHOD</p>	<p>Green</p> <p>board</p> <p>Educomp smart board</p> <p>NCERT textbook</p>

	2 <sup>ND</sup> WEEK	<p>POEM:ANIMALS</p> <p>POEM: THE TREE</p>	<p>4.Prepare a song on your best friend</p> <p><b>ANIMALS</b></p> <p>1.Graphics presentation how animals different from humans</p> <p><b>THE TREE</b></p> <p>1.A beautiful painting of trees</p> <p>2.Make a poem on SAVE TRRES AND SAVE LIFE</p> <p>3 Mono act of a tree who struggles for its survival</p> <p>4.Speech on Van Mahotsav</p>	<p>DIRECT CUM INTERACTIVE METHOD</p>	
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3 <sup>RD</sup> WEEK	<p><b>FOOTPRINTS WITHOUT FEET</b></p> <p>LESSON:FOOTPRINTS WITHOUT FEET</p>	<p><b>FOOTPRINTS WITHOUT FEET</b></p> <p>1.Make a project on Indian scientist and their discovery</p> <p>2. One act play related to mischievous activities of Griffin</p> <p><b>THE MAKING OF SCIENTIST</b></p> <p>1.Draw a beautiful painting of monarch butterfly and viceroy butterfly</p> <p>2.Make a collage of different items presented by Ebright 's mother to him</p> <p>3. Prepare a Debate on the wonder of science</p>	COMMUNICATIVE METHOD	
4 <sup>TH</sup> WEEK	<p>THE MAKING OF SCIENTIST</p>			

		<p><b>GRAMMAR:EDITING AND OMISSION</b></p> <p><b>WRITING</b></p> <p><b>SECTION:ARTICLES,STORY WRITING</b></p>		<p>COGNITIVE APPROACH</p> <p>METHOD</p>	
6	SEPTEMBER	REVISION+HALF YEARLY	---	---	---

7	OCTOBER	<b>FIRST FLIGHT</b>	<b>GLIMPSES OF INDIA</b>	DEMONSTRATIVE METHOD	Green board Educomp smart board NCERT textbook R, Smart -Board
	1 <sup>ST</sup> WEEK	LESSON:GLIMPSES OF INDIA	<p>1.Group discussion</p> <p>2.Make the brochure on the tourists destination of India</p> <p>3.Chart tabulation of costume of baker and coorgies</p> <p>4.make an attractive advertisement for the product as you are the sales executive of a famous tea company</p>		
	2 <sup>ND</sup> WEEK	<b>MIJBIL THE OTTER</b>	<b>MIJBIL THE OTTER</b>	COMMUNICATIVE METHOD	
			<p>1.Create a poem /prose on SPCA</p> <p>2 Make a beautiful house for pet</p> <p>3 Scrap book on unusual pets and wild animals</p>		

	3 <sup>RD</sup> WEEK	<p>POEM:FOG</p> <p><b>FOOTPRINTS WITHOUT FEET</b></p> <p><b>LESSON:THE NECKLACE</b></p>	<p>which are trained to work for or amuse humans</p> <p><b>FOG</b></p> <p>1.Mime of FOG</p> <p>2. Make a beautiful painting on Fog and its movements</p> <p><b>THE NECKLACE</b></p> <p>1.Make clay modelling of jewellery</p> <p>2. Write down a speech on , 'one should be content with what life gives us'.</p> <p>3. Make a beautiful invitation on ball party</p> <p><b>THE HACK DRIVER</b></p>		
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	4 <sup>TH</sup> WEEK	<p><b>THE HACK DRIVER</b></p> <p><b>GRAMMAR:CLAUSES</b></p> <p><b>WRITING</b></p> <p><b>SECTION:REVISION OF FORMAL LETTER</b></p>	<p>1.Make a sketch of a lawyer or hack driver</p> <p>2.Present a stage setting of the last part of the chapter</p> <p>CLAUSES</p> <p>1.Quiz on clauses</p>		
8	NOVEMBER	FIRST FLIGHT –		EXPLANATIO	Green



1 <sup>ST</sup> WEEK	LESSON:MADAM RIDES THE BUS,	<p><b>MADAM RIDES THE BUS</b></p> <p>1 Share your experience while travelling</p> <p>2. Present the story of the chapter in dance or music way</p> <p>3.Make a piggy bank by using waste material</p>	N METHOD	board Educomp smart board NCERT textbook
2 <sup>ND</sup> WEEK	THE SERMAN AT BENARAS	<p><b>THE SERMAN AT BENARAS</b></p> <p>1.Project on TEMPLES OF BENARAS</p> <p>2Make a sketch of lord Buddha</p> <p>3Dilogue writing between Buddha and grief stricken woman</p> <p><b>THE TALE OF CUSTARD, THE DRAGON</b></p>	COMMUNICATIVE METHOD	

3 <sup>RD</sup> WEEK	POEM : THE TALE OF CUSTARD,THE DRAGON	<p>1.Make an interesting ballad on your pet</p> <p>2.Make a cage with the help of Ice-cream sticks</p>		
4 <sup>TH</sup> WEEK	FOOTPRINTS WITHOUT FEET – LESSON : BHOLI	<p><b>BHOLI</b></p> <p>1.Characterization of your Favourite teacher through Musical dance</p> <p>2Speech on ‘ never judge a book by its cover’</p> <p>3. Prepare the wall magazine on some social evils still practise in Indian society</p> <p><b>DETERMINERS</b></p> <p>1Write a poem by using correct usage of</p>		

		<p>GRAMMAR : DETERMINERS</p> <p>WRITING SECTION : REVISION OF “ FORMAL LETTER”</p>	determiners		
9	DECEMBER	<p>FIRST FLIGHT – LESSON : THE PROPOSAL</p> <p>POEM : FOR ANNE GREGORY</p>	<p><b>THE PROPOSAL</b></p> <p>1 Mime of the male characters of the chapter</p> <p>2.Group discussion on the qualities one should look for in a marriage partner</p> <p><b>FOR ANNE GREGORY</b></p> <p>1.Clay modelling of Anne Gregory</p> <p>2.Explain the deep message of the poem through song or music</p>	DISCUSSION METHOD	<p>Green board</p> <p>Educomp smart board</p> <p>NCERT textbook</p>

		<p>FOOTPRINTS WITHOUT FEET : THE BOOK THAT SAVED THE EARTH</p> <p>GRAMMAR + WRITING: REVISION</p>	<p><b>THE BOOK THAT SAVED THE EARTH</b></p> <p>1.Make a chart Tabulation of Aliens which are mentioned in the chapter</p> <p>2.Create an interesting rhyme on Book</p> <p>3. Design a wall magazine how earth saved from Aliens</p>	<p>COMMUNICATIVE METHOD</p>	
10	JANUARY	PRE - BOARD			
11	FEBRUARY	REVISION + ANNUAL EXAMS			



वार्षिक पाठ्यक्रम  
विषय हिन्दी  
कक्षा दसवीं  
सत्र 2023-24

पाठ्यपुस्तक → क्षितिज भाग-2  
पूरक पुस्तक → कृतिका भाग-2  
व्याकरण →

मास	पुस्तक	उपविषय	क्रियाकलाप
अप्रैल पहला सप्ताह	व्याकरण	पद परिचय	1. घर में पड़ी तार एवं अन्य उपयोग न होने वाली वस्तुओं से चश्मा बनाइए।
दूसरा सप्ताह	क्षितिज गद्य खंड	नेताजी का चश्मा	2. नेताजी की मूर्ति का चित्र बनाइए। 3. कस्बों की सार्वजनिक जगहों (स्कूल, सिनेमाघर, सीमेंट का कारखाना) आदि का मॉडल तैयार कीजिए।
तीसरा सप्ताह	क्षितिज पद्य खंड	सूरदास के पद	1. बाँसुरी का चित्र बनाइए।
चौथा सप्ताह	व्याकरण	पत्र (औपचारिक अनौपचारिक)	2. सूरदास का चित्र A पशीट पर बनाइए। 3. राधा एवं श्री कृष्ण से संबंधित

चौथा सप्ताह	कृत्तिका	'लखनवी अंदाज'	1. लखनऊ के नवाबों के चित्र एकत्रित करके कोलॉज बनाइए।
	व्याकरण	'वाच्य'	2. रैलगाड़ी का नया मॉडल बनाइए। 3. यशपाल के समकालीन कविओं के चित्रों का कोलॉज बनाइए।

जून

ग्रीष्म ऋतु

जुलाई पहला सप्ताह	व्याकरण	'विलापन', 'संदेश', 'वाक्य', 'पत्र'	1. शिव दनुष का चित्र बनाइए। 2. परशुराम जी का फरसे के साथ चित्र A4 शीट पर बनाइए। 3. राम एवं लक्ष्मण के युद्ध, वन, राजदरबार के चित्र इकट्ठे करके कोलॉज बनाइए।
दूसरा सप्ताह	क्षितिज	'राम-लक्ष्मण-परशुराम-संवाद'	

तीसरा सप्ताह	व्याकरण	'अनुच्छेद', 'ई-मेल'	1. विभिन्न फूलों के चित्रों का कोलॉज बनाइए। 2. वसंत के सुहावने मौसम की दर्शाता हुआ चित्र बनाइए। 3. काली घटाओं से घिरे आसमान का (शीडिंग) वाला चित्र बनाइए।
चौथा सप्ताह	क्षितिज	'अट नहीं रही है'	

अगस्त

पहला सप्ताह	क्षितिज	'उत्साह'	1. मन्नु भंडारी का चित्र बनाकर उनकी रचनाओं के नाम लिखिए। 2. क्रान्ति कारियों के चित्रों का कोलॉज बनाइए।
दूसरा सप्ताह	क्षितिज	'एक कहानी यह भी'	3. सामूहिक हड़ताल एवं नारैवाजी का दृश्य A4 शीट पर बनाइए।

तीसरा सप्ताह	क्षितिज	'फंसल, यह दंतुरित संस्कार'	1. एक छोटे बच्चे का चित्र बनाइए।
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सितम्बर	अर्द्धवार्षिक परीक्षा		
अक्टूबर पहला	कृतिका	'साना-साना हाथ जोड़ि'	1. जीप का मॉडल तैयार कीजिए। 2. भारत के पड़ोसी देशों का एक कौलॉज बनाइए।
दूसरा	क्षितिज	'नींबूतखाने में इबाकत'	3. पहाड़ों पर प्राकृतिक दृश्य का चित्र बनाइए।
तीसरा	व्याकरण	'स्ववृत्', 'ई-मेल', 'अलंकार', 'वाक्य'	1. उस समय बजाए जाने वाले प्रसिद्ध वाद्ययंत्रों का कौलॉज तैयार कीजिए। 2. A4 साइज शीट पर शहनाई की तस्वीर बनाइए।
चौथा	व्याकरण	पत्र	1. मंगलेश डबराल के समकालीन गायकों के चित्र इकट्ठे करके कौलॉज बनाइए। 2. मंगलेश डबराल एवं उनकी संगत के अन्य सदस्यों को दर्शाता हुआ चित्र बनाइए।
नवम्बर पहला सप्ताह	क्षितिज	'संगतकार'	
दूसरा सप्ताह	कृतिका	'मैं क्यों लिखता हूँ'	1. अज्ञेय एवं तारसप्तक के चार-पाँच अन्य लेखकों के चित्रों का A4 शीट पर कौलॉज बनाइए।
तीसरा सप्ताह	व्याकरण	'वाच्य', 'पद परिचय', 'पत्र'	2. अज्ञेय की कोई दो अन्य रचनाएँ खोजकर लिखिए। 3. पाठ में दी गई कविता 'हिरोशिमा' चार्ट पर लिखिए।
चौथा सप्ताह	व्याकरण	व्याकरण - अनुच्छेद	
दिसम्बर पहला सप्ताह	क्षितिज	'आत्मकथ्य'	1. 'आत्मकथ्य' कविता के रचनाकार सहित छायावाद के अन्य कवियों के चित्रों का कौलॉज बनाइए। 2. कविता की कुछ पंक्तियाँ A4 शीट पर लिखिए। 3. प्रसाद के समकालीन किसी अन्य
दूसरा सप्ताह	क्षितिज	संस्कृति	





जानवरी

दोहराई

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मार्च

वार्षिक परीक्षा

JAIN VIDYA MANDIR SR. SEC. SCHOOL, SONEPAT

2023-24

ANNUAL PLANNER

Class- 10

Subject- Social Science

Month	Topic	Subtopics	Art Integration Activity	METHODOLOGY	Instructional aids
April	HISTORY				
(I and II week)	1 <b>The Rise of Nationalism in Europe</b>	a)The French Revolution and the Idea of the Nation b)The Making of Nationalism in Europe c)The Age of Revolutions: 1830-1848 d)The Making of Germany and Italy e)Visualizing the Nation f)Nationalism and Imperialism	<b>The Rise of Nationalism in Europe</b> 1.Make a pamphlet highlighting ideas of Frederic Sorrieu 2.Make a painting of Napoleon 3.Make a postage stamp of Marianne 4.Make a chart showing the different attribute with meaning	Interactive Lecture Method  Story telling	Green board Educomp smart board NCERT textbook

<p>(III week)</p>	<p>GEOGRAPHY</p> <p><b>1Resources and Development</b></p>	<p>a)Types of Resources</p> <p>b)Development of</p> <p>c)Resources Planning in India</p> <p>d)Soil as a Resource</p> <p>Classification of Soils</p> <p>e) Land Degradation /soil erosion and Conservation measures</p> <p>a)Case Studies of Belgium and Sri Lanka</p> <p>b) Why power sharing is desirable?</p>	<p><b>Resources and Development</b></p> <p>1Make a beautiful painting of soil profile</p> <p>2Mind map showing different type of soil</p> <p>3Group discussion on land degradation and its preventive measure</p>	<p>method</p> <p>Brain storming method</p> <p>Demonstration method</p>	<p>Green board</p> <p>Educomp smart board</p> <p>NCERT textbook</p>
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<p>(IV week)</p>	<p>CIVICS</p> <p><b>1. Power Sharing</b></p>	<p>c)Forms of Power Sharing</p> <p>a)What Development Promises - Different people different goals</p> <p>b) Income and other goals</p> <p>c)National Development</p> <p>c) How to compare different countries or states?</p> <p>Income and other criteria</p> <p>d)Public Facilities</p>	<p><b>1. Power Sharing</b></p> <p>1.Make stencil of BELGIUM and SRILANKA</p> <p>2.Theatre presentation on majoritarianism in Sri Lanka</p> <p>3.Make caricature on Reigning Reins</p> <p>4.Concept map on forms of Power Sharing</p> <p><b>Development</b></p>	<p>Lecture and discussion</p> <p>Method</p>	<p>Green board</p> <p>Educomp smart board</p> <p>NCERT textbook</p>
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<p>(IV week)</p>	<p>ECONOMICS 1. Development</p>	<p>e) Sustainability of development</p>	<p>1 prepare a chart showing differential goals of different persons 2 Prepare a bulletin Board regarding the development of our country 3 Project on Sustainable development</p>	<p>Deductive method</p>	<p>Green board Educomp smart board NCERT textbook</p>
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May  <b>(I and II week)</b>	HISTORY  <b>2.Nationalism in India</b>	<p>a)The First World War, Khilafat and Non - Cooperation</p> <p>b)Differing Strands within the Movement</p> <p>c) Towards Civil Disobedience</p> <p>d)The Sense of Collective Belonging</p>	<p><b>Nationalism in India</b></p> <p>1 .MIND map related to movement related to freedom</p> <p>2.Map Skill by showing main session of Congress</p> <p>3.Presentation of dandi march</p>	<p>Interactive Method</p> <p>Story telling Method</p>	<p>Green board</p> <p>Educomp smart board</p> <p>NCERT textbook</p>
<b>( III week }</b>	GEOGRA	<p>a)Biodiversity or Biological Diversity</p> <p>b) Flora and Fauna in India</p> <p>c)Vanishing forests</p>	<b>Forest and Wildlife</b>		Green

	<p>PHY</p> <p><b>2.Forest and Wildlife</b></p> <p><b>(Periodic Tests only)</b></p>	<p>d) Types and distribution of forests and wildlife resources e)Community and Conservation</p> <p>a)What is Federalism?</p> <p>b)What make India a Federal Country?</p> <p>c) How is Federalism practiced?</p> <p>d)Decentralization in India</p>	<p><b>(Periodic Tests only and will not be evaluated in board exams)</b></p> <p>1.Make a project on – PROJECT TIGER</p> <p>2Presentation on importance of forest and wild life</p> <p>3.Prepare a MCQ quiz</p> <p><b>2. Federalism</b></p> <p>1. Poster on Decentralization</p> <p>2.Make political map of</p>	<p>Collaborating Method</p> <p>Problem solving and case study method</p>	<p>board</p> <p>NCERT textbook</p> <p>Green board</p> <p>Educom p smart board</p> <p>NCERT textbook</p>
	<p>CIVICS</p> <p><b>2. Federalis</b></p>				

( III week)	m	Revision + U.T.	India showing states after 1947  3.Prepare bulletin board showing scheme/ programs of government during COVID-19		
( IV week)		Summer break			
June					

July  <b>(1 week)</b>	ECONOMICS 2. Sectors of the Indian Economy	<p>a) Sectors of Economic Activities</p> <p>b) Comparing the three sectors : Primary, Secondary and Tertiary Sectors in India</p> <p>c) Division of sectors as organized and</p>	<p>Sectors of the Indian Economy</p> <p>1) make three dimensional model on economic activities</p> <p>2) make a poster on MNREGA</p> <p>3) prepare a collage on Public</p>	Interactive Explanation Method	Green Board Education

		unorganized  Sectors in terms of ownership: Public and Private Sectors	and Private Sectors  4.Prepare slides on organized and unorganized  Sectors in terms of ownership		p s m a r t b o a r d N C E R T t e x t b o o k
( II week)	<b>History</b>  Geograp hy  <b>3. Water resource s</b>  ( <b>Periodic</b>	<b>REVISION</b>  a)Water Scarcity and b)The Need for Water Conservation and Management  c)Multi-Purpose River Projects and Integrated Water Resources	<b>Water Resources</b>  ( <b>Periodic Tests only</b>  <b>and will not be evaluated in board exams except map</b>	Interactive lecture method  Brain storming	Green board  Educom p smart board  NCERT

	<p><b>tests only and will not be evaluated )</b></p>	<p>Management and Rainwater Harvesting</p> <ul style="list-style-type: none"> <li>• Case Studies of Mexico</li> <li>• Differences, similarities and divisions</li> </ul> <p>Politics of social divisions</p>	<p><b>list of this chapter)</b></p> <ol style="list-style-type: none"> <li>1. Debate on Rainwater Harvesting</li> <li>2. Make a poster on water conservation</li> <li>3. Make the map of India and show all important dams through dot method painting</li> </ol> <p><b>Democracy and Diversity</b></p> <p><b>(Periodic Tests only and will not be evaluated in board exams)</b></p> <ol style="list-style-type: none"> <li>1. Video presentation on the story of Mexico Olympic</li> <li>2. Draw the images of social division in different</li> </ol>	<p>method</p> <p>DISCUSSION METHOD</p>	<p>textbook</p> <p>Green board</p> <p>Educomp smart board</p> <p>NCERT textbook</p>
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<p>( III week)</p>	<p><b>ECONOMICS</b></p> <p><b>3. Money and Credit</b></p>	<p>a)Money as a medium of exchange</p> <p>b)Modern forms of money</p> <p>c)Loan activities of Banks</p> <p>d)Two different credit situations</p> <p>e)Terms of credit</p> <p>Formal sector credit in India</p> <p>f)Self Help Groups for the Poor</p>	<p>aspects of life</p> <p>3.Role play of Martin Luther King Jr.</p> <p><b>3. Money and Credit</b></p> <p>1.Make a collage of coins and currency note which are not in use now a days</p> <p>2Chart tabulation showing the people of different occupations and their purpose for loans</p> <p>3.Make a painting of SHG of your area</p> <p>4.One act play on indebttness</p> <p>5.Visit to a nearby bank and</p>		<p>Green board</p> <p>Educomp smart board</p> <p>NCERT textbook</p>
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			prepare the steps of house loan		
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( IV week)	<b>HISTORY</b>	<b>REVISION</b>			
	GEOGRA PHY <b>4.Agricult ure</b>	a)Types of farming b) Cropping Pattern and Major Crops c)Technological and Institutional Reforms d)Impact of Globalization on Agriculture	<b>Agriculture</b>  1.Model on different types of farming  Map Skill  2.Make a project on government policies and programmes for the interest of farmers  3.Prepare flash cards	Interactive lecture method	Green board  Educom p smart board  NCERT textbook

<p><b>AUGUST</b></p> <p><b>(1 week)</b></p>	<p>CIVICS</p> <p><b>4. Gender, Religion and Caste</b></p>	<p>a)Gender and Politics</p> <p>b)Religion, Communalism and Politics</p> <p>c)Caste and Politics</p> <p>REVISION</p>	<p>showing different crops with their geographical conditions</p> <p>4.Group Discussion</p> <p><b>4. Gender, Religion and Caste</b></p> <p>1.Poster on perceptions of ideal woman</p> <p>2.Musical drama how caste effect Indian politics</p> <p>3.Debate on Secularism</p>		<p>Green board</p> <p>Educomp smart board</p> <p>NCERT textbook</p>
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<p>( IV week)</p> <p>SEPTEMBER</p> <p>OCTOBER</p>	<p>GEOGRAPHY</p> <p>5</p>	<p>Revision + U.T.</p> <p>Revision + Half Yearly</p>	<p>show how Britain's decision to import food led to increased migration to America and Australia</p> <p><b>Minerals and Energy Resources</b></p> <p>1. Concept Map classification of Minerals</p> <p>2. Model on Non</p>	<p>Brain storming and Discussion Method</p>	<p>Green board</p> <p>EducOMP smart board</p> <p>NCERT textbook</p>
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( 1 st week)	<b>Minerals and Energy Resources</b>	<p>a)Minerals and mode of occurrence of Minerals</p> <p>b)Ferrous and Non-Ferrous Minerals</p> <p>c) Non-Metallic Minerals</p> <p>d)Rock Minerals</p> <p>e)Conservation of Minerals &amp; Energy Resources</p> <p>a)Popular Struggles in Nepal and Bolivia</p> <p>b)Mobilization and Organization</p> <p>c)Pressure Groups and</p>	<p>Conventional sources of energy</p> <p>3.Prepare a cross word game</p> <p>4. draw a picture showing HAZARDS OF MINING</p> <p><b>5. Popular Struggles and Movements</b></p> <p><b>(to be assessed in the Periodic Tests only and will not be evaluated in board exam )</b></p>		
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<p>( II week)</p>	<p>ECONOMICS 4. <b>Globalization and the Indian Economy</b></p>	<p>Movements</p> <p>a)Production across countries</p>	<p>1.Project on social issues of Nepal 2.MCQ quiz</p> <p><b>Globalization and the Indian Economy</b></p>		<p>Green board Educomp smart board NCERT textbook</p>
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		<p>b) Interlinking production across countries</p> <p>c) Foreign Trade and integration of markets</p> <p>d) WTO and its impact on India</p>	<p>1. Create a scrap book showing Indian MNC &amp; foreign MNC with products</p> <p>2. Debate on Trade Practices</p> <p>3. Project on any Industry or services of your choice</p>		
( III week)	HISTORY 5. <b>Print Culture and the Modern</b>	<p>a) The First Printed Books</p> <p>b) The print revolution and its impact</p> <p>c) The Reading Mania</p>	<p><b>Print Culture and the Modern World</b></p> <p>1. Chart on Print History of different countries</p>	<p>Interactive Lecture Method</p> <p>Story telling Method</p>	<p>Green board</p> <p>Educomp smart</p>

( IV week)	<b>World</b>	<p>d)India and World of Print</p> <p>e)New Forms of Publication</p> <p>f)Print and Censorship</p>	<p>2.Prepare the Manuscripts</p> <p>3.Make a portrait of Johann Gutenberg</p> <p>4.model of first printing machine by using waste material</p>	<p>board</p> <p>NCERT textbook</p> <p>Green board</p> <p>Educomp smart board</p> <p>NCERT textbook</p>
	<b>GEOGRAPHY6. Manufacturing Industries</b>	<p>a)Importance of manufacturing</p> <p>b)Contributing of Industry to National Economy</p> <p>c)Classification of Industries</p> <p>d) Industrial pollution environmental degradation</p> <p>a)Why do we need</p>	<p><b>Manufacturing Industries</b></p> <p>1.Role play of the owner of Jute Textile and explain challenges of Jute industry</p> <p>2.Group Discussion on Industrial pollution</p> <p>3.Chat tabulation of</p>	<p>Green board</p> <p>Educomp smart board</p> <p>NCERT textbook</p> <p>Green board</p>



<p><b>NOVEMBER</b></p> <p><b>R</b></p> <p><b>( 1st week)</b></p>	<p><b>CIVICS 6.</b></p> <p><b>Political Parties</b></p>	<p>Political Parties?</p> <p>b) How many Parties should we have?</p> <p>c)National Political Parties &amp; State Parties</p> <p>d)Challenges to Political Parties</p> <p>e)How can Parties be reformed</p> <p>REVISION</p>	<p>classification of Industries</p> <p><b>Political Parties</b></p> <p>1.Role play of a candidate during election procedure</p> <p>2.Creation of scrap book showing all National Political Parties &amp; State Parties</p> <p>3.Debate on challenges to Political Parties</p> <p>4.Presentation on booth centre on the day of election with all props</p>		<p>Educom p smart board</p> <p>NCERT textbook</p>
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	ECONOMICS				
( II nd week)	HISTORY  GEOGRAPHY  7. Life Lines of National Economy	REVISION  a)Transport – Roadways, Railways, Pipelines, Waterways, Airways  b)Communication  c)International Trade  d)Tourism as a Trade	<b>Life Lines of National Economy</b>  1.Prepare a beautiful art booklet and make different means of transportation and communication  2.Make a brochure on	Interactive Lecture Method	Green board  Educomp smart board  NCERT textbook

<p>( II nd week)</p>	<p>CIVICS 7. <b>Outcome s of Democra cy</b></p>	<p>a)How do we assess democracy’s outcomes? b)Accountable, responsive and legitimate government c)Economic growth and development Reduction of inequality and poverty d)Accommodation of social diversity</p>	<p>Tourists destination of India 3.Make a painting on Hilly Tracts</p> <p><b>Outcomes of Democracy</b></p> <p>1.Catchy slogan on democracy as the best form of government 2.Musical drama on merits and demerits of democracy 3.Chart tabulation on Accountable , responsive and legitimate government 4.Speech on how social diversity accommodate</p>		<p>Green board Educom p smart board NCERT textbook</p>
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		<p>a)Thinking about challenges</p> <p>b) Thinking about Political Reforms</p> <p>c)Redefining democracy</p>	<p><b>Challenges to Democracy</b></p> <p><b>(to be assessed in the Periodic Tests only and will not be evaluated in Board Examination. )</b></p> <p>1.Skit on challenges of democracy of our country</p> <p>2.Project on Political</p>		
		<p>a)Gets familiarized with the rights and duties as a consumer; and legal measures available to</p>			

		protect from being exploited in markets.	Reforms And Redefining democracy  <b>Consumer Rights</b> <b>1.</b> Make an attractive project on Consumer Rights  2.Postes with catchy slogans on consumers awareness  3.Paste the news clippings showing consumer exploitation on A4 Sheet		
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January	REVISION	ANNUAL EXAMINATION			
February					