Bal Bharati
PUBLIC SCHOOL
Solan

ANNUAL PEDAGOGY PLAN

(2024-25)

Class: VII

https://bbpssolan.balbharati.org)

SUBJECT: ENGLISH

BOOKS
Enrichment Reader - New Images Next – Pearson
Class Book - New Images Next - Pearson
Cornerstone - Pearson

MONTHS	NO. OF WORKING DAYS	COURSE CONTENT	LEARNING OUTCOMES	SKILLS	TEACHING METHODS
March	**22**	**Class Book:** Learning the Game Be the Best of Whatever You Are **Enrichment Reader:** Doctor Dolittle Learns Animal language **Grammar:** Determiners, Tenses Synonyms and Antonyms Jumbled Sentences Basic Grammar **Writing Skill:** Notice writing Application writing, Paragraph Writing	To enable the students to understand the passage and grasp its meaning To enable the students to recite the poem with correct pronunciation Reading and appreciating the text. Identifies details, characters, main idea and sequence of ideas and events in textual characters, events, ideas, themes and relates them to life. Students will be able to write Paragraph on given situation	Listening Exploring ideas Think critically Evaluate Applying	Brain storming Group Discussion Peer teaching Self- assessment Writing Character
April	**22**	**Class Book** Malgudi Cricket Club On the Grasshopper and the Cricket **Enrichment Reader:** The Fog **Grammar:** Tenses, Prepositions, Articles and Determiners **Writing Skill:** Letter (Informal) Message Writing,	To enable the students to understand the passage and grasp its meaning To enable the students to recite the poem with correct pronunciation Uses meaningful grammatically correct sentences to describe and narrate incidents; and for framing questions. Uses synonyms such as 'big/large', 'shut/ close', and antonyms like inside/outside, light/dark from clues in context Reads text with comprehension,	Learn English through posters, charts, etc. frame grammatically correct sentences. *Creating	Enactment Recitation Quiz , Crossword puzzles, word chain Peer Assessment Reads independently in English storybooks, news items

			locates details and sequence of events. about events, places and/personal experiences in English. Writes 5-6 sentences in English on personal examples Describes briefly, orally/in writing		
May	**18**	**Class Book** Binya's Blue Umbrella Somebody's Mother **Enrichment Reader:** Packing for the Trip In the Bazaars of Hyderabad **Grammar:** Active and Passive, correct the errors **Writing Skill:** Message and Notice	Students will be able to Think critically, compare and contrast characters/events/ideas /themes and relate them to life and try to give opinions about issues. Common errors made and how to avoid these errors usage and relevance in today's times. Understand the context for various types of writing such as messages, notices, letters, report, biography, diary entry, travelogue etc. locate main idea, sequence of events and co-relate ideas, themes and issues in a variety of texts in English and other languages.	Evaluate analyze Extrapolate Think critically Delivering Research	Worksheets Speaking Skills Problem Solving Assessment listen to English news(TV, Radio) as a resource to develop listening comprehension
June	**18**	**Class Book** Bright Spark Gravity **Grammar:** Editing, Omission, Poetic Device **Writing Skill:** Letter Writing (Formal) Poster Making	To enable the students to recite the poem with correct pronunciation Reads text with comprehension, locates details and sequence of events. Describes briefly, orally/in writing about events, places and/personal experiences in English. Writes 5-6 sentences in English on personal experience.	Evaluate Analyze, Extrapolate Think critically Delivering short speeches	Story Telling Character Sketch Find out different forms of writing (informal letters, lists, stories leave application, notice
July	**18**	**Class Book** The Face on the Wall As I Grew Older **Enrichment Reader:** Being Neighbourly	Organizes sentences coherently in English with the help of verbal and visual clues and with a sense of audience enable the students to recite the	Evaluate analyze Extrapolate Think critically	Poetry Writing Writes Speaks about self, simple experiences; appropriately make connections with the

		Where is the Mind without Fear **Grammar:** Modals Voice Change (Recipe) **Writing Skill:** Speech Writing Biographical Sketch	poem with correct pronunciation	Delivering Research	chapter
August	**24**	**Class Book** Indian Classical dance Form **Enrichment Reader:** Time Travelling Why I Write **Grammar:** Active Passive Voice **Writing Skill:** Story Writing , writing	To enable the students to recite the poem with correct pronunciation locate sequence of ideas, events and identify main idea of a story/poem through various types of comprehension questions. Responds to a variety of questions on familiar and unfamiliar texts verbally and in writing.	Listening, Exploring ideas Think critically Evaluate Applying	Peer Assessment Problem Solving Word chain Group Discussion
September	**18**	**Class Book:** **Ch-12** My Lost Dollar **Ch-13**All the World's a Stage **Enrichment Reader:** The Lake Isle Of Innisfree Around the world in 80 Days **Grammar:** Kinds of Adverbs Voice Change Gap Filling **Writing Skill:** E-mail writing	To enable the students to understand the passage and grasp its meaning look at cartoons/ pictures/comic strips with or without words, and talk/write about them. Summarise orally/ in writing, a given text/ stories,/an event; learn vocabulary associated with various professions (e.g. cook, cobbler, farmer, blacksmith, doctor etc) Share their experiences such as journeys, visits, etc. in pairs	Illustrate Analyzing Skit Presentation Evaluate Understanding	Poetry Writing Speaks about self, simple experiences; report events to peers, Group Discussion
October	**20**	**Class Book** The Holy Panchayat The Case of the Scientist's missing papers Shillong: the Rock Capital of India **Grammar:** Reported Speech, Integrated Grammar **Writing Skill:** Revision of letter and Story writing	To enable the students to recite the poem with correct pronunciation To enable the students to understand the passage and grasp its meaning Speaks about self, simple experiences; report events to peers, accurately and appropriately make connections and draw inferences. Find out different forms of writing	Brainstorm Creating Developing Narration Role Play	Script Writing Group Discussion Answering MCQ Extempore Explanation and group discussion

			(informal letters, lists, stories leave application, notice		
November	**22**	**Revision for final exam**			
December	**13**	**Final Term**			

विषय- हिंदी

- पाठ्यपुस्तकें: वसंत भाग-II
- नवीन शिक्षार्थी हिंदी व्याकरण तथा रचना

महीने	कार्य दिवसों की संख्या	विषयवस्तु	शिक्षण उद्देश्य	कौशल विधि	शिक्षण युक्तियाँ
मार्च	22	पाठ:1 हम पंछी उन्मुक्त गगन के (कविता) पाठ: 2 हिमालय की बेटियां व्याकरण : भाषा, बोली, लिपि और व्याकरणकौशल अनुच्छेद लेखन	• पशु-पक्षियों के प्रति प्रेम की भावना विकसित होगी|. • पक्षियों की स्वतंत्रता को समझ सकेगें • प्रकृति की रक्षा कर सकेगें	• श्रवण -कौशल • वाचन कौशल • पठन कौशल • लेखन कौशल	• पसंदीदा पशु और पक्षी का चित्र बनाकर पांच वाक्य लिखेगें • इन्टरनेट द्वारा विभिन्न नदियों की जानकारी • पराधीनता एक अभिशाप
अप्रैल	22	पाठ:3 . कठपुतली(कविता) पाठ: 4 मिठाईवाला व्याकरण : वर्ण-विचार, उपसर्ग एवं प्रत्यय, विज्ञापन लेखन	• कविता को ध्यान से सुनकर अर्थ ग्रहण कारना • फेरीवालों की कार्यशैली • फेरीवालों के कष्टों पर अपने विचार व्यक्त करेगें	• श्रवण -कौशल • वाचन कौशल • पठन कौशल • चित्र चित्रण	• ई- सामग्री का प्रयोग करके परियोजना तैयार करना • मिठाईवाले और बांसुरी वाले में समानता और असमानता पर चर्चा •
मई	18	पाठ: 5 पापा खो गए अपठित गद्यांश, अनुच्छेद लेखन ,मुहावरे	• नाटक को ध्यान से सुनकर अर्थ ग्रहण करना • साइबर- क्राइम तथा कोई खो जाने पर करने वाले उपायों पर चर्चा	• पठन कौशल • लेखन कौशल • श्रवण कौशल	• कोई खो जाने पर उन्हें बचाने के लिए की जाने वाली प्रयासों पर अपने विचार प्रकट करना
जून	18	पाठ: 6 शाम एक किसान	• दिन के चारों पहरों के	• पठन कौशल	• दिन के चारों पहरों के नाम

		पाठ: 7 अपूर्व अनुभव व्याकरण: काल (भेद), पत्र	प्राकृतिक दृश्यों पर चर्चा • शरीरिक विकलांग लोगों की सफलता के रहस्यों पर चर्चा करना •	• श्रवण कौशल	• बचपन के किसी अनुभव के बारे में से चित्र-चित्रण
जुलाई	18	पाठ: 8 रहीम के दोहे पाठ:9 एक तिनका व्याकरण: पत्र लेखन, कारक, मुहावरे	• रहीम के दोहों से नीति परक तथ्यों पर अपने विचार व्यक्त करेगें • तुच्छ चीजों की अहमियत के बारे में अपने विचार व्यक्त करना	• पठन कौशल • लेखन कौशल • श्रवण कौशल	• पीपीटी प्रदर्शन • अपने मन पसंद किन्ही पांच नीतिपरक दोहे सृजनात्मक रूप में प्रस्तुत करना • आँख से सबंधित पांच मुहावरे लिखना
अगस्त	24	पाठ:10 खान- पान की बदलती तस्वीर पाठ:11 नीलकंठ पाठ: 12 भोर और बरखा व्याकरण: क्रिया (कर्म के आधार पर) , विलोम शब्द, संवाद लेखन	• स्वस्थ भोजन तथा जंकफ़ूड के लाभ और हानि पर तर्क - वितर्क करेगें • पक्षियों के रख- रखाव के बारे में अपने विचार रखेगें • सुबह उठने के लाभों के बारे में अपने विचार व्यक्त करना •	• पठन कौशल • लेखन कौशल • श्रवण कौशल	• पौष्टिक आहार कका चार्ट बनाना • स्वस्थ भोजन तथा जंक फ़ूड के बीच संवाद • भारत के राष्ट्रीय पक्षी,पशु, फूलरंग आदि के बारे में लिखना • भक्तिकाल के कुछ कवि तथा कवियत्रियों के नाम लिखना
सितम्बर	18	पाठ: 13 वीर कुँवर सिंह व्याकरण : वाक्यांशों के लिए एक शब्द, विराम चिन्ह, पत्र लेखन	• भारत के स्वतंत्रता सेनानियों पर चर्चा करना •	• लेखन कौशल • श्रवण कौशल • वाचन कौशल	• स्वतंत्रता सेनानियों के नाम लिखकर किसी एक का परिचय
अक्टूबर	20	पाठ: 14 संघर्ष के कारण मैं तुनुकमिजाज़ हो गया : धनराजपिल्लै पाठ:15 आश्रम का अनुमानित व्यय व्याकरण : वर्तनी शुद्धिकरण, अपठित गद्यांश, लोकोक्तियाँ	• खेलों के महत्व पर विचार बोलेगें •	• आदर्श तथा सस्वर वाचन कौशल • श्रवण कौशल	• ओलपिंक में पदक लाने वाले खेलों के नाम लिखना • अपने घर के एक महिना के खर्च की सूची तैयार करना
नवम्बर	22	पुनरावृति			

दिसम्बर	13	वार्षिक परीक्षा

SUBJECT: MATHS

MONTH	NO. OF WORKING DAYS	CONTENT	LEARNING OUTCOME	SKILLS	TEACHING METHODOLOGY
March	**22**	**Ch.1: Integers** 1.1 Properties of Addition and Subtraction of Integers 1.2 Multiplication of integers 1.3 Properties of multiplication of integers 1.4 Division of integers 1.5 Properties of division of integers **Ch.4: Simple Equations** 4.1 A Mind Reading Game 4.2 Setting up of an equation 4.3 Review of What We Know 4.4 What Equation is 4.5 More Equations 4.6 Application of simple equation to practical situation.	**Students will be able to:** • Develop a clear understanding of what integers are and how they are represented on the number line. • Learn the rules and techniques for adding and subtracting integers, including the concept of positive and negative numbers • Learn how to compare and order integers • Explore real-world examples and situations where integers are used, such as temperature changes, financial transactions, and elevation. • Develop a clear understanding of what equations are and how they represent relationships between unknowns and known values • Understand the concept of balancing equations, ensuring that both sides of the equation have the same value. • Learn how to apply the concept of equations to solve real-life problems, such as word problems involving age, distance, or money.	➢ Analysis. ➢ Critical Thinking ➢ Curiosity. ➢ Confidence. ➢ Motivation. ➢ Creativity. ➢ Communication. ➢ Decision making. ➢ Problem Solving	Demonstration cum lecture method Guided Discussion Activity based teaching Problem solving based learning 5 E's Collaborative Learning
April	**22**	**Ch. 3: Data Handling** 3.1 Representative values	• Learn how to organize and represent data using different types of graphs,	➢ Analysis. ➢ Critical Thinking	Demonstration

		3.2 Arithmetic Mean 3.3 Mode 3.4 Median 3.5 Use of Bar Graphs with a Different Purpose **Ch. 5: Lines and Angles** 5.1 Introduction 5.2 Related Angles 5.3 Pair of lines 5.4, Checking for Parallel Lines	such as bar graphs, line graphs, and pie charts. • Learn how to collect data through surveys or experiments, and how to organize and present the collected data in a meaningful way. • Interpret and construct of double bar graph. • Learn about measures of central tendency, such as mean, median, and mode, and how to calculate and use them to analyze data sets. • Learn how to identify and classify different types of angles, such as acute, obtuse, right, straight, and reflex angles • Develop the skills to measure and draw angles using a protractor, accurately representing their size and orientation. • Apply angle properties to solve problems and determine unknown angles in various geometric situations.	➢ Curiosity. ➢ Confidence. ➢ Motivation. ➢ Creativity. ➢ Communication. ➢ Problem solving ➢ Decision making	cum lecture method Guided Discussion Activity based teaching Problem solving based learning 5 E's Collaborative Learning
May	**18**	**Ch. 2: Fractions and Decimals** 2.1 Multiplication of fractions. 2.2 Division of fractions 2.3 Multiplication of Decimal numbers 2.4 Division of decimal numbers	• Develop a clear understanding of what fractions are and how they represent parts of a whole • Will learn how to identify and create equivalent fractions • Learn how to perform addition, subtraction, multiplication, and division with fractions, applying the appropriate algorithms and simplifying their answers • Learn how to convert fractions to decimals and decimals to fractions, understanding the relationship between the two representations	➢ Analysis. ➢ Critical Thinking ➢ Curiosity. ➢ Confidence. ➢ Motivation. ➢ Creativity. ➢ Communication. ➢ Decision making ➢ Problem Solving	Demonstration cum lecture method Guided Discussion Activity based teaching Problem solving based learning 5 E's Collaborative Learning

June	**18**	**Ch. 7: Comparing Quantities** 7.1 Percentage - Another way of Comparing Quantities 7.2 Use of percentages 7.3 Prices related to an item or buying and selling 7.4 Charge given on borrowed money or simple interest	• Develop an understanding of ratios and proportions and learn how to compare quantities using these concepts • Learn how to solve problems that involve finding an unknown quantity in a given ratio or proportion. • Learn how to calculate simple interest, profit and loss, discounts and markups	➢ Analysis. ➢ Critical Thinking ➢ Curiosity. ➢ Confidence. ➢ Motivation. ➢ Creativity. ➢ Communication. ➢ Decision making ➢ Problem Solving	Demonstration cum lecture method Guided Discussion Activity based teaching Problem solving based learning 5 E's Collaborative Learning
July	**18**	**Ch. 8: Rational Numbers** 8.1 Introduction 8.2 Need for rational numbers 8.3 What are rational numbers? 8.4 Positive and negative rational numbers 8.5 Rational numbers on a number line 8.6 Rational numbers in standard form 8.7 Comparison of rational numbers 8.8 Rational numbers between two rational numbers 8.9 Operations of rational numbers **Ch. 13: Visualizing Solid Shapes** 13.1 Introduction: Plane figures and solid shapes	• Develop an understanding of what rational numbers are and how they can be represented as fractions or decimals. • Learn how to perform basic operations such as addition, subtraction, multiplication, and division with rational numbers • Learn how to represent rational numbers on a number line and understand their position in relation to other numbers • Learn how to simplify fractions and convert between fractions and decimals. • Learn about different types of solid shapes, such as cubes, cuboids, cylinders, cones, spheres, and pyramids • Develop the ability to visualize three-	➢ Analysis. ➢ Critical Thinking ➢ Curiosity. ➢ Confidence. ➢ Creativity ➢ Motivation. ➢ Communication. ➢ Decision making ➢ Problem Solving	Demonstration cum lecture method Guided Discussion Activity based teaching Problem solving based learning 5 E's Collaborative Learning

		13.2 Faces, edges and vertices 13.3 Nets for building 3-d shapes 13.4 Drawing solids on a flat surface 13.5 Viewing different sections of a solid	dimensional shapes in their minds. • Explore the concepts of surface area and volume of solid shapes		
August	**24**	**Ch. 6: The Triangle and its Properties** 6.1 Introduction 6.2 Medians of a triangle 6.3 Altitudes of a Triangle 6.4 Exterior Angle of a Triangle and its Properties 6.5 Angle Sum Property of a Triangle 6.6 Two Special Triangles: Equilateral Triangle and Isosceles Triangle 6.7 Sum of the Lengths of Two Sides of a Triangle. 6.8 Right-Angled Triangle and Pythagoras Theorem and Property **Ch. 12: Symmetry** 12.1 Introduction 12.2 Lines of Symmetry for Regular Polygons 12.3 Rotational symmetry 12.4 Line symmetry and rotational symmetry	• Develop a clear understanding of what a triangle is and its basic properties, such as having three sides and three angles • Will discover various properties of triangles, such as the sum of the interior angles, the relationship between the lengths of sides and angles, and the Pythagorean theorem • Apply the properties of triangles to solve problems, including finding missing angles or side lengths, determining congruence or similarity of triangles, and using triangle inequalities. • Learn how to identify symmetrical figures by analyzing their lines of symmetry. • Learn how to draw lines of symmetry on given shapes • Apply their knowledge of symmetry to solve problems, such as creating symmetrical designs, identifying patterns, or analyzing symmetrical properties	➢ Analysis. ➢ Critical Thinking ➢ Curiosity. ➢ Confidence. ➢ Motivation. ➢ Creativity. ➢ Communication. ➢ Decision making ➢ Problem Solving	Demonstration cum lecture method Guided Discussion Activity based teaching Problem solving based learning 5 E's Collaborative Learning
September	**18**	**Ch. 9: Perimeter and Area** 9.1 Area of a parallelogram 9.2 Area of a triangle 9.3 Circles	• Learn how to calculate the perimeter of various shapes, such as parallelograms,triangles and circles • To calculate the area of different shapes, including rectangles, squares, triangles, parallelograms, and circles	➢ Analysis. ➢ Critical Thinking ➢ Curiosity. ➢ Confidence. ➢ Motivatio	Demonstration cum lecture method Guided Discussion

			• Compare and contrast the concepts of perimeter and area, understanding that they measure different aspects of a shape. • Apply their knowledge of perimeter and area to solve practical problems, such as finding the dimensions of a shape given its perimeter or area.	n. ➢ Creativity. ➢ Communication. ➢ Decision making ➢ Problem solving	Activity based teaching Problem solving based learning 5 E's Collaborative Learning
October	**20**	**Ch. 10: Algebraic Expressions** 10.1 Introduction 10.2 How are Expressions formed? 10.3 Terms of an Expression 10.4 Like and Unlike Terms 10.5 Monomials, Binomials, Trinomials and Polynomials 10.6 Finding the Value of an Expression **Ch. 11: Exponents and Powers** 11.1 Introduction 11.2 Exponents 11.3 Laws of Exponents 11.4 Miscellaneous Examples Using the Laws of Exponents 11.5 Decimal Number System 11.6 Expressing Large Numbers in the Standard Form	• Understand how to identify variables and constants in expressions. • Learn how to substitute values into algebraic expressions and evaluate them. They will practice simplifying expressions by performing the necessary operations. • Learn how to expand and factor algebraic expressions • Learn how to solve simple equations involving one variable • Learn about exponents and how they represent repeated multiplication of a base number • Learn how to evaluate powers by multiplying the base number repeatedly. • Learn about negative exponents and how they represent the reciprocal of a number raised to a positive exponent • Learn the laws of exponents	➢ Analysis. ➢ Critical Thinking ➢ Curiosity. ➢ Confidence. ➢ Motivation. ➢ Creativity. ➢ Communication. ➢ Decision making ➢ Problem Solving	Demonstration cum lecture method Guided Discussion Activity based teaching Problem solving based learning 5 E's Collaborative Learning
November	**22**	**REVISION**			
December	**13**	**FINAL TERM**			

SUBJECT: SCIENCE

Month	No. of Working Days	Course Content	Learning Outcomes	Skills	Teaching Methodology
March	22	Ch. 1 : Nutrition in Plants A. Modes of nutrition in plants, B. Photosynthesis. C. How nutrients are replenished in the soil. **Lab Activity:** A. To show that sunlight is necessary for photosynthesis. B. With the help of Iodine test show that green leaves have starch?	**Students will be able to:** • To explain the process of photosynthesis, including the role of sunlight, carbon dioxide, and water in the production of glucose. • To distinguish between autotrophic and heterotrophic modes of nutrition and provide examples of each. • Able to describe the process of transpiration and understand its significance in plant physiology. • To understand how nutrients are replenished in the soil.	• Classification skill • Process description skill • Integration skill • Communication skill • Application skill	• AV Aids • Lecture-cum-demonstration • Hands on activities • You tube links • Brainstorming
April	22	Ch 2 : Nutrition in Animals A. Digestion B. Different ways of taking food C. Digestion in human D. Digestion in grass eating animals. E. Feeding and Digestion in Amoeba. **Lab Activity:** A. To study the permanent slide of amoeba &Paramecium. B. By making the group of 3-4 students discusses the differences between digestive system of	**Students will be able to:** • Differentiate between herbivores, carnivores, and omnivores, understanding their dietary preferences. • Identify and explain the functions of key organs in the digestive system, such as the stomach, small intestine, and large intestine. • Understand the sequential process of digestion, including ingestion, digestion, absorption, assimilation, and egestion. • Draw labelled diagrams/ flow charts of organ systems in human and plants. • Write word equation for chemical reactions, e.g., photosynthesis;	• Classification skill • Identification skill • Descriptive skill • Drawing skill • Application skill • Discrimination skill	• Lecture-cum-demonstration • Hands on activities • You tube links • Brainstorming

		humans and ruminants.	respiration		
		Ch. 9: Motion and Time A. Speed B. Measurement of Time C. Units of Speed & Time D. Distance –Time Graph	**Students will be able to:** • Calculate the speed of an object using the formula: speed = distance/time. • Understand the relationship between distance, time, and speed, applying this knowledge to solve problems related to motion.	• Mathematical skill • Application skill	• Activity Based • Lecture-cum-demonstration • Hands on activities • 5E's • You tube links • Brainstorming
May	18	**Ch. 9: Motion and Time Contd.....** **Lab Activity:** Preparing simple pendulum and understanding the oscillatory motion.	• Apply their understanding of motion and time to real-life situations, such as calculating travel times or understanding sports-related motions.	• Real life application • Understating • Observation • Critical Thinking	
		Ch. 5: Physical and chemical changes. A. Physical Change B. Chemical Change C. Rusting of Iron **Activity:** To make an assignment on few National Monuments/ landmark which have undergone chemical degradation?	**Students will be able to:** • Distinguish between physical changes (changes in state, shape, or size) and chemical changes (changes in composition). • Recognize and provide examples of physical changes, such as melting, freezing, and changes in state. • Relate their understanding of physical and chemical changes to everyday scenarios, such as cooking, burning, or rusting of materials.	• Application skill	• Lecture-cum-demonstration • Visual Aids • Hands on activities • You tube links • Brainstorming
June	18	**Ch. 6 Respiration in Organisms** A. Why do we respire?	**Students will be able to:** • Define respiration and understand its significance as a vital life process in	• Process recognition skill • Integration skills	• AV Aids • Lecture-cum-demonstration

		B. Breathing, Breathing mechanism C. Human Respiratory system D. Breathing in other animals **E.** Do plants also respire? **Activity:** Students will perform few breathing exercises and know their breathing capacity and learn to exhale and inhale fully to improve their health.	organisms. • Learn about the different modes of respiration, such as aerobic and anaerobic respiration, and understand the differences between them. • Understand how different organisms have adapted their respiratory systems to their environments.	• Critical understanding • Communication skill	• 5E's • Hands on activities • You tube links • Brainstorming
		Ch. 13 Waste Water Story **A.** What is sewage? **B.** WWTP **C.** Better house keeping practices. **D.** Sanitation & Diseases	**Students will be able to:** • Define wastewater and identify its sources & understand the importance of treating wastewater before disposal. • Comprehend the basic steps involved in wastewater treatment, including screening, primary treatment, secondary treatment, and tertiary treatment. • Understand how improper wastewater disposal can lead to the spread of waterborne diseases • Present their understanding of wastewater treatment through oral presentations or written reports.	• Definition skill • Identification skill • Process recognition skill • Application skill • Presentation skill • Communication skill	• Lecture-cum-demonstration • Hands on activities • You tube links • Brainstorming
July	18	**Ch.7 Transportation in animals and plants** A. Circulation System B. Blood Vessels C. Excretion in animals D. Transportation in plants	• To understand the concept of the circulation system in animals & will be able to describe the primary components of the circulatory system, including the heart and blood vessels. • Comprehend the role of the	• Identification Skills • Descriptive Skills • Comprehension skill • Integration skill	• Lecture-cum-demonstration • Hands on activities • You tube links • Brainstorming

		Lab Activity: • To show Osmosis in Raisins.	circulatory system in transporting oxygen, nutrients, and waste products within the body. • Identify the main excretory organs in animals & describe the functions of these organs in removing waste products from the body. • Comprehend how transport of water, nutrients, and sugars take place in plants	• Functional analysis skill	
August	24	**Ch. 4 Acids , Bases and Salts** A. Acid & Bases B. Natural Indicators around Us C. Neutralization **Lab Activity:** • Collect the samples of lemon juice, NaOH, Tap Water, Detergent, Vinegar and With the help of a litmus paper show their Acid, Basic ,Neutral nature and also record their pH value. Uses of indicators to determine that given substance is • acidic or basic in nature.	• Identify substances as acids or bases based on their characteristics. • Provide clear definitions of acids and bases. • Recognize the physical and chemical properties of acids and bases. • Classify various substances as acidic, basic, or neutral based on their pH values. • Articulate how the reaction between acids and bases results in the formation of salts and water	• Identification skill • Definition skill • Classification skill • Explanation skill	• Lecture-cum-demonstration • Hands on experiments • You tube links • Brainstorming
		Ch.8 Reproduction in plants A. Reproduction & Its types B. Pollination C. Seed Dispersal	**Students will be able to:** • To identify different modes of reproduction in plants. • Provide clear definitions of various types of plant reproduction, such as sexual and asexual reproduction. • Comprehend the mechanisms and significance of sexual and asexual reproduction in plants. • Engage in critical thinking by	• Identification skill • Understanding skill • Critical thinking skill • Application skill • Observation skill	• Visual Aids • Lecture-cum-demonstration • Hands on activities • You tube links • Brainstorming • 5E's

			analyzing why certain plants may prefer one mode of reproduction over the other. • Observe and identify different methods of pollination. •		
		Ch. 10 Electric Current and its effect A. Symbol of electric current B. Effects of current C. Electromagnet D. Electric well	• Recognize and understand the symbol used to represent electric current. • Apply their knowledge by interpreting and drawing simple circuit diagrams using the electric current symbol. • Identify various effects of electric current, including heating, magnetic effects, and chemical effects. • Comprehend how the flow of electric current can generate a magnetic field. • Analyze the components and circuitry involved in the operation of an electric bell.	• Identification skill • Application skill • Analytical skill	• Lecture-cum-demonstration • Hands on experiments • You tube links • Brainstorming • Collaborating learning
September	18	**Ch. 3 Heat** A. Hot & Cold B. Heat transfer C. Laboratory & Clinical thermometer D. Sea & Land breeze **Lab Activity:** To study the importance of thermometer and measure the temperature by using laboratorysend clinical thermometer.	• Students will be able to: • The concept of heat and temperature. • Identify different types of thermometers. • Understand transfer of heat by conduction, convection and radiation. • Uses of good and poor conductors of heat. • Comprehend the concept of heat and temperature. • Differentiate between good and poor conductors of heat • Differentiate between conduction, convection and radiation. • Calculate the temperature in 0K and	• Identification skill • Understanding skill • Critical thinking skill • Application skill • Observation skill	• Lecture-cum-demonstration • Hands on activities • You tube links • Brainstorming

			0C.		
October	20	**Ch. 11 Light** A. Reflection B. Image formation by Concave ,convex lens or mirrors **Activity:** To study the image formation by concave convex and plain mirror.	• Students will be able to: • The concept of reflection of light. • Comprehend the concept of real and virtual image. • Understanding the concept of image formed by a plane mirror • Imparting knowledge on different types of spherical mirrors • Comprehend the concept of images formed by concave and convex mirror • Understanding the concept of spherical lenses and images formed by convex and concave lens. • Understanding dispersion of light and formation of rainbow. • Differentiate between real and virtual image • Differentiate between convex and concave lens	• Identification skill • Understanding skill • Critical thinking skill • Application skill • Observation skill	• PPT • Videos • Charts • Collaborating Learning • Brainstorming • Demonstration method
		Ch. 12 Forest: Our Life Line	• Comprehend the concept of components of a forest • Imparting knowledge on the forest is an ecosystem • Comprehend the concept on food chain in forest. • Understanding the alternate arrangement of trees in the forest. • Imparting knowledge on role of decomposers in a forest. • Understanding the concept of importance of forests and adverse effect of deforestation.	• Understanding skill • Critical thinking skill • Application skill • Observation skill	• Lecture-cum-demonstration • You tube links • Brainstorming •
November	22	**REVISIION**			
December	13	**FINAL TERM**			

SUBJECT: SOCIAL SCIENCE

Month	No. Of Working Days	Course Content	Learning Outcome	Skill	Teaching Method
March	18	History – Ch.3: The Delhi Sultans Geography - Ch.1: Environment	• Analyses socio-political and economic changes during medieval period. • Analyses administrative measures and strategies formilitary control adopted bydifferent kingdoms e.g. theKhaljis and Tughluqs, Mughals, etc. • Describes different components of the environment and the interrelationship betweenthem. • Analyzes factors contributing to pollution in	Evaluate, Apply, Analyze, Recall, Extrapolate, Think Critically	Concept Mapping, Timeline creation, Collage making, Self assessment
April	14	History - Ch.3: The Delhi Sultans(cont.) Civics- Ch 3: How the state government works?	• Explains the significance ofequality in democracy. • Differentiates between local government and State government. • Describes the process of election to the legislativeassembly.	Critical Thinking, Listening and Speaking	Debate, Class elections (Role play), Newspaper activities.
May	23	Civics- Ch.4: Growing up with boys and Girls History - Ch. 4: The Mughal Empire Geography – Ch 2: Inside OurEarth Ch.3: Our changingEarth	• Analyses the causes and consequences of disadvantages faced by women of different sectionsof the society. • Draws comparisons betweenpolicies of different rulers. • Describes distinctive developments in style and technology used for construction of temples, tombs and mosques with examples. • Identifies major layers of theearth's interior, rock types.	Evaluate, Analyse, Extrapolate, Problem solving, Create	Class debate, Comparison charts, Mind maps, Diagram construction , Read/ discuss the ideas of the text for critical thinking.

June	23	History - Ch. 4: The Mughal Empire(cont.) Geography - Ch.4: Air Civics - Ch. 5: women change theworld Ch. 6: Understanding Media	• Explains composition and structure of the atmosphere. • Identifies women achieversin different fields from various regions of India. • Illustrates contribution of women to different fields with appropriate examples. • Explains the types of mediawith appropriate examples from newspapers.	Understanding Applying Evaluating Critical Thinking Map Skills	Debate, Critical writing, Student Presentation, Collage making
July	21	Ch. 6: Understanding Media (continued)	• Explains the functioning ofmedia with appropriate examples from newspapers.	Critical thinking, Analyse, Create, Inference	Group discussion Presentationon role of media in our lives
August	21	History-Ch 5 Tribes, Nomads and Settled Communities	• Know about the respectivetribes of India and their activities • Understand the significanceof tribes in our country	Understanding Applying Analyzing Evaluating	Map activity: On the political map of india mark an area inhabited by Ahoms,Santha ls,Bhils and Gonds
September	19	History- Ch.8 Eighteenth Century Political Formations History :Tracing Changes Through aThousand Years Civics- Ch.7: Markets around Us	• Analyses socio-political and economic changes during Eighteenth Century. • Draws inferences from different struggle groups and states about existing social order. • To be aware of the new terms ,empires ,religions and social groups in India • Differentiates between different kinds of markets. • Traces how goods travel through various market places.	Remembering Understanding Applying Evaluating Creating Critical thinkingProblem solving	Map Activity Each student on political map of India mark the following: Area ruled by Sikhs,Marathas. Awadh,Bengal Hyderabad Concept map,case studies and projects about local markets and shopping complexes

October	22	History- Ch2:New Kings and Kingdoms	• Locate and identify the regions ruled by these dynasties in India • Develop map skills • Understand the terrain and climate of these regions • Have critical thinking on the continuous occurrence of Tripartite struggle	Evaluate, Analyse, Extrapolate, Problem solving, Create	Map Activity On the political map of india mark the areas ruledby Rashtrakutas, Palas, Cholas, Gurjara pratiharas
November	15	Geography - Ch.6 Human Environment Interactions:The tropical and sub tropical regions..	• Relate the climate and vegetation of the basin alongwith the location of torrid zone • understand the need of conservation of resources	Remembering Applying Creating Problem solving Map Skills	Map ActivityClass presentation
December	23	Revision	• Revision	Understanding, Recapitulation	Quiz, Assignments,Tests

SUBJECT: COMPUTER

Month	No. of Working Days	Content	Learning Outcome	Skill	Teaching Methodology
March	22	**CHAPTER 1:** Computer Virus	**Students will be able to:** • Define Computer virus • Tell about malware. • List computer viruses. • Tell the needs of antivirus • List some common antiviruses • Tell the precautions against computer viruses	Understanding, recall, recognition.	**Lecture cum Demonstration:** Begin the chapter with a live demonstration introducing computer viruses and malware attacks. Presentation on computer viruses and antiviruses will be presented **Visual Aids:** Use visuals, such as pictures or props, to enhance understanding and safety.
April	22	**CHAPTER 2:** Number System **CHAPTER 3:** GIMP - Introduction	**Students will able to:** • Recall the different number system used in computer science. • Convert on form of number to the other form of number system. • Differentiate between different number system. • Start and close GIMP. • Work with different GIMP tools. • Change color, apply filters.	Attention to detail, recall, creativity, critical thinking.	**Lecture cum demonstration:** Conduct an interactive discussion introducing the number system. Present a live demonstration using GIMP and its features. **Group Discussion:** Facilitate group discussions to share their findings and experiences.
May	18	**CHAPTER 4:** GIMP – Layers and filters	**Students will be able to**: • Use and change layers. • Create a picture collage • Save the project • Open and edit the saved project. • Implement different options of GIMP.	Creativity, understanding, Critical thinking, problem solving, analyzing.	**Interactive Recap**: Conduct an interactive session recapping the features of GIMP, emphasizing key concepts of layers and filters. **Peer Teaching:**

					Encourage students to share their knowledge, promoting collaborative learning,
June	18	**CHAPTER 5:** E- commerce and blogging	**Students will be able to:** • Define the term e-commerce • Tell the different e-commerce models • List the security concern while dealing with e-commerce • Find some e-commerce sites. • Define blogging • Tell the blogging and its sites.	Creativity, recall, reorganization, Critical thinking, analyzing	**Demonstration**: Conduct an interactive discussion introducing e-commerce benefits and security concerns. **Peer Teaching:** Encourage students to share their knowledge, promoting collaborative learning,
July	18	**CHAPTER 6:** Internet – Ethics & Safeguard	**Students will be able to:** • Tell some computer ethics while using computer system. • List some potential threats on the web. • Recall the role of parents and teacher to safeguard the child. • Tell the dos and don'ts while using internet. •	Recall Problem solving, Critical thinking, analyzing	**Lecture cum Demonstration**: Begin the chapter with a live demonstration introducing computer ethics, malwares and do's & don'ts **Peer Teaching:** Encourage students to share their knowledge, promoting collaborative learning,
August	24	**CHAPTER 7:** HTML - Introduction	**Students will be able to:** • Tell about the term HTML5. • List the tools required while creating a web page using HTML. • Tell the role of web browser while having the output of the code. • Tell the need and uses of HTML5.	Creativity, Problem solving, Critical thinking	**Live Demonstration**: Provide a live demonstration creating web page using HTML 5 tags and features. **Visual Aids:** Use visuals, such as pictures or props, to enhance understanding and creativity.
September	18	**CHAPTER 8:** HTML – creating web page	**Students will be able to:** • Create a new web page. • Use basic HTML tags. • Display the web page using a web browser.	Creativity, problem solving, analytical	**Demonstration:** Conduct an interactive session creating a web page to have the desired

			• Modify the web page to update the information. • Format the html page.	skill	output, emphasizing key concepts of HTML.
October	17	**CHAPTER 9:** HTML – Images, links and tables **CHAPTER 10:** HTML – forms, multimedia and CSS	**Students will be able to**: • Insert images and hyperlinks. • Add tables to display the information. • Create registration form. • Introduce multimedia files. • Format the web page using CSS. • Define the term CSS.	Creativity, problem solving, Recall. Critical thinking	**Live Demonstration:** Use of graphics and multimedia tags. Create a form for demonstration. Using internet to search desired information. **Peer Teaching:** Encourage students to share their knowledge, promoting collaborative learning,
November	24	**Revision**			
December		**Final Term**			