ENGLISH CLASS – VII

MONTH	TOPIC	METHODOLOGY/ACTIVITIES	LEARNING OUTCOMES	WORKING DAYS
July	MCB Lesson-1 Darwin Diaries Lesson-2 Pushkar Poem 1 Ozymandias  SR Lesson-1 The Tiny Teacher Lesson-2 Bringing Up Kari  GRAMMAR Lesson-22 The Infinitive and Imperative Lesson-23 The Participle and the Gerund  WRITING SKILLS Informal Letter Writing Notice writing	<ul> <li>Reading and understanding the story/poem.</li> <li>Learners will read the text in chunks (the text may be divided into three or four sections) followed by oral comprehension check.</li> <li>Comprehension Check will be conducted by</li> <li>* true/false</li> <li>* MCQs</li> <li>* short answer</li> <li>* gap filling</li> <li>* question/answer</li> <li>At the end of the text questions will be attempted by the learners.</li> <li>Reference To Context will be given.</li> <li>Through connection of previous knowledge with current knowledge introduction to the topic</li> <li>Exercises using clues</li> <li>Riddles and Games</li> <li>Worksheets to enhance the knowledge</li> <li>The teacher would explain what a notice is and its purpose. The standard format of notice writing would be</li> </ul>	<ul> <li>Recite the poem with proper rhythm and expression,</li> <li>Explain the poem and the chapters and answer questions based on it,</li> <li>To explain the concept of alliteration</li> <li>To enable to spin a story around the given words and picture,</li> <li>To express opinions on the basis of logical reasoning</li> <li>Enable them to think critically and provide reasons for their choices</li> <li>To enable story writing</li> <li>Identify rhyming words and the rhythm in a poem, and</li> <li>Write lines that rhyme together.</li> <li>Comprehend meaning of the different words by looking into dictionary.</li> <li>Vocabulary building by usage of new words, phrases, idioms etc. in sentences of your own.</li> <li>The learners would be able to organize their thoughts and express freely.</li> <li>They would develop an interest towards writing thus enhancing their writing skills.</li> </ul>	27

		shown in the class.  • The teacher would discuss in detail what a notice should contain. The wide range of themes and objectives covered by notice would be discussed with examples	<ul> <li>Students will be able to analyze any NOTICE shown to them on the basis of the knowledge imparted.</li> <li>They will be able to frame notice about any event.</li> <li>They will be able to identify important information in any given notice.</li> <li>Students will be able to use appropriate style and format to write a NOTICE effectively.         <ul> <li>Describe the difference between formal and informal writing</li> </ul> </li> <li>Write an informal piece</li> <li>Concept and use of Infinitives and Imperatives</li> <li>Identification and use of Participles and Gerunds.</li> </ul>	
August	MCB Lesson-5 A Farmer's Greatest Treasure Lesson-6 The Village School  SR Lesson- 3 The Desert  WRITING SKILLS Paragraph Writing Informal Letter Writing	<ul> <li>Listen and say the words aloud</li> <li>Model reading</li> <li>Reading and understanding the story/poem.</li> <li>Learners will read the text in chunks (the text may be divided into three or four sections) followed by oral comprehension check.</li> <li>Comprehension Check will be conducted by</li> <li>* true/false</li> </ul>	<ul> <li>Understanding the importance of 'Saving' and 'Sharing'</li> <li>Realizing the importance of Knowledge and the aim of imparting the knowledge.</li> <li>Chivalry and Humbleness</li> <li>Recite the poem with proper rhythm and expression,</li> <li>Explain the poem and the chapters and answer questions based on it,</li> <li>To explain the concept of alliteration</li> </ul>	20
	Notice writing  VOCABULARY  Lesson-6 Smaller Pieces	<ul> <li>MCQs</li> <li>shortanswer</li> <li>gap filling</li> <li>question/answer</li> <li>At the end of the text questions will be attempted by the</li> </ul>	<ul> <li>To enable to spin a story around the given words and picture,</li> <li>To express opinions on the basis of logical reasoning</li> </ul>	

		<ul> <li>Reference To Context will be given.</li> <li>Through connection of previous knowledge with current knowledge introduction to the topic</li> <li>Exercises using clues</li> <li>Riddles and Games</li> <li>Worksheets to enhance the knowledge</li> <li>The format, rules, technique would be discussed with examples.</li> <li>The usage of language would be taught and students would be assigned written tasks.</li> </ul>	critically and provide reasons for their choices  To enable story writing Identify rhyming words and the rhythm in a poem, and Write lines that rhyme together. Comprehend meaning of the different words by looking into dictionary. Vocabulary building by usage of new words, phrases, idioms etc. in sentences of your own. The learners would be able to organize their thoughts and express freely. They would develop an interest towards writing thus enhancing their writing skills.	
September	MCB Poem 3 The Bridge Builder  SR Lesson-4 The Cop and the Anthem  GRAMMAR Lesson-24 Auxiliary and Defective Verbs Lesson-25 Voice: Active and Passive - I  WRITING SKILLS Informal Letter Writing	<ul> <li>Listen and say the words aloud</li> <li>Model reading         <ul> <li>Reading and understanding the story/poem.</li> </ul> </li> <li>Learners will read the text in chunks (the text may be divided into three or four sections) followed by oral comprehension check.</li> <li>Comprehension Check will be conducted by</li> <li>★ true/false</li> </ul>	<ul> <li>Value of 'Experience' and intent of sharing the same for the others benefits.</li> <li>Recite the poem with proper rhythm and expression,</li> <li>Explain the poem and the chapters and answer questions based on it,</li> <li>To explain the concept of alliteration</li> <li>To enable to spin a story around the given words and picture,</li> <li>To express opinions on the basis of logical</li> </ul>	26

	VOCABULARY Lesson-5 One Word For Many Lesson-10 Games Where Played  Revision for Mid-Term Exam	<ul> <li>* MCQs</li> <li>* shortanswer</li> <li>* gap filling</li> <li>* question/answer</li> <li>At the end of the text questions will be attempted by the learners.</li> <li>Reference To Context will be given.</li> <li>Through connection of previous knowledge with current knowledge introduction to the topic</li> <li>Exercises using clues</li> <li>Riddles and Games</li> <li>Worksheets to enhance the knowledge <ul> <li>The format, rules, technique would be discussed with examples.</li> </ul> </li> <li>The usage of language would be taught and students would be assigned written tasks.</li> </ul>	<ul> <li>Enable them to think critically and provide reasons for their choices</li> <li>To enable story writing</li> <li>Identify rhyming words and the rhythm in a poem, and</li> <li>Write lines that rhyme together.</li> <li>Comprehend meaning of the different words by looking into dictionary.</li> <li>Vocabulary building by usage of new words, phrases, idioms etc. in sentences of your own.</li> <li>The learners would be able to organize their thoughts and express freely.</li> <li>They would develop an interest towards writing thus enhancing their writing skills.</li> </ul>	
October	Revision for Mid-Term Exam and I	Mid-Term Exam		22
November	MCB Lesson-7 The Great Wall of Rishikesh Lesson-9 The Last Leaf Lesson-10 The Quarrel  GRAMMAR Lesson-27 The Adverb  WRITING SKILLS Paragraph Writing Informal Letter Writing	<ul> <li>Reading and understanding the story/poem.</li> <li>Learners will read the text in chunks (the text may be divided into three or four sections) followed by oral comprehension check.</li> <li>Comprehension Check will be conducted by</li> <li>* true/false</li> <li>* MCQs</li> </ul>	<ul> <li>Student will learn the basic definition, parts, and structure of a paragraph. Student will write paragraphs that include a main idea, or topic.</li> <li>Student will write a paper that includes three paragraphs.</li> <li>Comprehend meaning of the different words by looking into dictionary.</li> <li>Explain the chapters and</li> </ul>	19

	Essay Writing	<ul> <li>\$ short answer</li> <li>\$ gap filling</li> <li>\$ question/answer</li> <li>At the end of the text questions will be attempted by the learners.</li> <li>Reference To Context will be given.</li> <li>Through connection of previous knowledge with current knowledge introduction to the topic</li> <li>Exercises using clues</li> <li>Riddles and Games</li> <li>Worksheets to enhance the knowledge <ul> <li>The format, rules, technique would be discussed with examples.</li> </ul> </li> <li>The usage of language would be taught and students would be assigned written tasks.</li> </ul>	<ul> <li>answer questions based on it,</li> <li>To enable to spin a story around the given words and picture,</li> <li>To express opinions on the basis of logical reasoning</li> <li>Enable them to think critically and provide reasons for their choices</li> <li>To enable story writing</li> <li>Comprehend meaning of the different words by looking into dictionary.</li> <li>Vocabulary building by usage of new words, phrases, idioms etc. in sentences of your own.</li> <li>The learners would be able to organize their thoughts and express freely.</li> <li>They would develop an interest</li> </ul>	
December	MCB Lesson-11 The Vanishing Lunchboxes Lesson-13 Firstones  SR Lesson-5 Golu Grows a Nose Lesson-6 I Want Something in a Cage  GRAMMAR Lesson-28 Adverbs – Formation and Comparison	<ul> <li>Model Reading</li> <li>Listen and say the words aloud</li> <li>Comprehend the story</li> <li>Reading and understanding the story/poem.</li> <li>Learners will read the text in chunks (the text may be divided into three or four sections) followed by oral comprehension check.</li> <li>Comprehension Check will be conducted by</li> <li>* true/false</li> </ul>	towards writing thus enhancing their writing skills.  Importance of having an open mind Importance and value of 'Freedom' Explain the chapters and answer questions based on it, To enable to spin a story around the given words and picture, To express opinions on the basis of logical reasoning Enable them to think critically and provide	22

	WRITING SKILLS E-mail Writing	<ul> <li>* MCQs</li> <li>* shortanswer</li> <li>* gap filling</li> <li>* question/answer</li> <li>At the end of the text questions will be attempted by the learners.</li> <li>Reference To Context will be given.</li> <li>Through connection of previous knowledge with current knowledge introduction to the topic</li> <li>Exercises using clues</li> <li>Riddles and Games</li> <li>Worksheets to enhance the knowledge</li> <li>The format, rules, technique would be discussed with examples. The usage of language would be taught and students would be assigned written tasks.</li> <li>Revision for Periodic</li> </ul>	reasons for their choices  To enable story writing Comprehend meaning of the different words by looking into dictionary.  Vocabulary building by usage of new words, phrases, idioms etc. in sentences of your own.  The learners would be able to organize their thoughts and express freely.  They would develop an interest towards writing thus enhancing their writing skills.	
January	MCB Poem-6 Candy Man  SR Lesson-8 The Bear Story Lesson-9 A Tiger in the house  GRAMMAR Lesson-29 The Prepositions Lesson-30 The Conjunction  WRITING SKILLS Paragraph Writing Informal Letter Writing	<ul> <li>Reading and understanding the story/poem.</li> <li>Learners will read the text in chunks (the text may be divided into three or four sections) followed by oral comprehension check.</li> <li>Comprehension Check will be conducted by</li> <li>* true/false</li> <li>* MCQs</li> <li>* shortanswer</li> </ul>	<ul> <li>Importance of trust and belief</li> <li>Recite the poem with proper rhythm and expression,</li> <li>Explain the poem and the chapters and answer questions based on it,</li> <li>To explain the concept of alliteration</li> <li>To enable to spin a story around the given words and picture,</li> <li>To express opinions on the basis of logical reasoning</li> </ul>	21

	Email Writing Essay Writing  VOCABULARY Lesson-11 Homonyms	<ul> <li>\$ question/answer</li> <li>At the end of the text questions will be attempted by the learners.</li> <li>Reference To Context will be given.</li> <li>Through connection of previous knowledge with current knowledge introduction to the topic</li> <li>Exercises using clues</li> <li>Riddles and Games</li> <li>Worksheets to enhance the knowledge         <ul> <li>The format, rules, technique would be discussed with examples.</li> </ul> </li> <li>The usage of language would be taught and students would be assigned written tasks.</li> </ul>	<ul> <li>Enable them to think critically and provide reasons for their choices</li> <li>To enable story writing</li> <li>Identify rhyming words and the rhythm in a poem, and</li> <li>Write lines that rhyme together.</li> <li>Comprehend meaning of the different words by looking into dictionary.</li> <li>Vocabulary building by usage of new words, phrases, idioms etc. in sentences of your own.</li> <li>The learners would be able to organize their thoughts and express freely.</li> <li>They would develop an interest towards writing thus enhancing their writing skills.</li> </ul>	
February	MCB Lesson-14 The Hummingbird that lived through the Winter Poem-7 Courage! Courage! Courage!  GRAMMAR Lesson-31 The Interjection  WRITING SKILLS Paragraph Writing Informal Letter Writing Email Writing Essay Writing	<ul> <li>Reading and understanding the story/poem.</li> <li>Learners will read the text in chunks (the text may be divided into three or four sections) followed by oral comprehension check.</li> <li>Comprehension Check will be conducted by</li> <li>* true/false</li> <li>* MCQs</li> <li>* short answer</li> <li>* gap filling</li> <li>* question/answer</li> <li>At the end of the text questions will be attempted by the</li> </ul>	<ul> <li>Courage</li> <li>Recite the poem with proper rhythm and expression,</li> <li>Explain the poem and the chapters and answer questions based on it,</li> <li>To explain the concept of alliteration</li> <li>To enable to spin a story around the given words and picture,</li> <li>To express opinions on the basis of logical reasoning</li> <li>Enable them to think critically and provide reasons for their</li> </ul>	23

	VOCABULARY Lesson-12 They Differ in Sense Lesson-13 Common Phrases  Revision for Final Term	learners.  Reference To Context will be given.  Through connection of previous knowledge with current knowledge introduction to the topic  Exercises using clues Riddles and Games Worksheets to enhance the knowledge  The format, rules, technique would be discussed with examples. The usage of language would be taught and students would be assigned written tasks.	choices <ul> <li>To enable story writing</li> <li>Identify rhyming words and the rhythm in a poem, and</li> <li>Write lines that rhyme together.</li> <li>Comprehend meaning of the different words by looking into dictionary.</li> <li>Vocabulary building by usage of new words, phrases, idioms etc. in sentences of your own.</li> <li>The learners would be able to organize their thoughts and express freely.</li> </ul> <li>They would develop an interest towards writing thus enhancing their writing skills.</li>	
March	Revision for Final Term and Fi	nal Term		23

MATHEMATICS CLASS -VII

MONTH	TOPIC	METHODOLOGY / ACTIVITIES	LEARNING OUTCOMES	WORKING DAYS
July	<ul><li>Integers</li><li>Fractions &amp; Decimal</li></ul>	<ul> <li>Multiplying integers on the number line</li> <li>Link- https://youtu.be/ve7oSl7QOQw</li> <li>To find the product of two given fractions</li> <li>Link- https://youtu.be/p2TCv4wf-ug</li> </ul>	<ul> <li>Define 'integers'</li> <li>Distinguish integers from other types of numbers</li> <li>Order integers from least to greatest and greatest to least</li> <li>Addition and subtraction of fractions</li> <li>Multiplication of fractions</li> <li>Division of fractions</li> <li>Addition and subtraction of decimals</li> <li>Multiplication of decimal numbers</li> <li>Division of decimal numbers</li> </ul>	27
August	<ul> <li>Data Handling</li> <li>Simple Equations</li> </ul>	<ul> <li>Record the data to represent number of seats won by different political parties in Lok Sabha Election in 2014 and 2019. Draw the bar graphs to represent the polling result in both terms.</li> <li>Link- https://youtu.be/2w-RO QRPG4</li> <li>To solve a puzzle of linear equation in one variable</li> <li>Link - https://youtu.be/IN20VrPmxdk</li> </ul>	<ul> <li>Organisation of data</li> <li>Representative values</li> <li>Arithmetic mean</li> <li>Range</li> <li>Mode</li> <li>Mode of large data</li> <li>Median</li> <li>Use of bar graphs with a different purpose</li> <li>Chance and probability</li> <li>What equation is?</li> <li>Solving an equation</li> <li>Applications of simple equations to practical situations</li> </ul>	20

		Revision for Periodic 1	1	
September	• Lines & Angles	<ul> <li>To find out the relation between two vertically opposite angles, formed by the intersection of two straight lines at a point</li> <li>Link-https://youtu.be/3spe3 MRkIWhttps://youtu.be/MsggVrAXXkM</li> </ul>	<ul> <li>Complementary angles and supplementary angles</li> <li>Adjacent angles and vertically opposite angles</li> <li>Intersecting lines</li> </ul>	26
		Revision		
October		Revision & Mid-term Exam:	S[2]	22
November	<ul> <li>The Triangles &amp; its Properties</li> <li>Comparing Quantities</li> </ul>	<ul> <li>To verify that the sum of the three angles of a triangle is 180°.</li> <li>Link -         <ul> <li>https://youtu.be/nvrgkKIVvnU</li> </ul> </li> <li>To verify Pythagoras theorem</li> <li>Link-             <ul></ul></li></ul>	<ul> <li>Introduction to triangles</li> <li>Medians of a triangle</li> <li>Altitudes of a triangle</li> <li>Exterior angle of a triangle and its property</li> <li>Angle sum property of a triangle</li> <li>Equilateral and isosceles triangles</li> <li>Sum of the lengths of two sides of a triangle</li> <li>Right-angled triangles and Pythagoras theorem</li> <li>Equivalent ratios</li> <li>Percentage and its uses</li> <li>Conversion of decimals, fractions into percentage and vice-versa</li> <li>Ratios to percentage</li> <li>Increase and decrease in percent</li> </ul>	19

			<ul> <li>Prices related to an item on buying and selling</li> <li>Profit and loss as a percentage</li> <li>Charge given on borrowed money or simple interest</li> </ul>	
December	Practical Geometry     Perimeter & Area	<ul> <li>Construction of a line parallel to a given line, through a point not on the line</li> <li>Link -         <ul> <li>https://youtu.be/pCMwROMYp Rs</li> </ul> </li> <li>Link- https://youtu.be/d5c8Z-POuHE</li> <li>To derive a formula for the area of a triangle , given its base and height.</li> <li>Link- https://youtu.be/ur9ffiT-Uiw</li> </ul>	<ul> <li>Construction of a line parallel to a given line, through a point not on the line</li> <li>Construction of triangles</li> <li>Constructing a triangle when the lengths of its three sides are known (SSS criterion)</li> <li>Constructing a triangle when the lengths of two sides and the measure of the angle between them are known. (SAS criterion)</li> <li>Constructing a triangle when the measures of two of its angles and the length of the side included between them is given. (ASA criterion)</li> <li>Constructing a right-angled triangle when the length</li> <li>of one leg and its hypotenuse are given (RHScriterion)</li> <li>Perimeter and area of squares and rectangles</li> <li>Area of triangle</li> <li>Area of parallelogram</li> <li>Area and Circumference of a circle</li> <li>Applications in real life</li> </ul>	22

January	• Algebraic Expressions	<ul> <li>Addition of Algebraic expressions</li> <li>Link-https://youtu.be/6kS5dfX4kE</li> </ul>	<ul> <li>Algebraic expressions</li> <li>Terms of an expression</li> <li>Factors of a term and coefficients</li> <li>Like and unlike terms</li> <li>Monomials, binomials, trinomials and polynomials</li> <li>Addition and subtraction of algebraic expressions</li> <li>Finding the value of algebraic expressions</li> <li>Using algebraic expressions – formulas and rule</li> </ul>	21
February	• Exponents & Power	<ul> <li>To verify quotient law by paper folding activity</li> <li>Link - <a href="https://youtu.be/T9H8D7iu5BI">https://youtu.be/T9H8D7iu5BI</a></li> </ul>	<ul> <li>Multiplying powers with the same base</li> <li>Dividing powers with the same base</li> <li>Taking power of a power</li> <li>Multiplying powers with the same exponents</li> <li>Dividing powers with the same exponents</li> <li>Miscellaneous examples using the laws of exponents</li> <li>Decimal number system</li> <li>Expressing large numbers in the standard form</li> </ul>	23
		• REVISION		
March		<b>REVISION &amp; FINAL TERM EXA</b>	MINATION	23

Social Studies Class 7

Month	Topic	Methodology	Learning Outcomes	Working Days
July	History Lesson 1 The Medieval Period	Maps, Images	Understanding the political developments which are influenced by social and religious groups.	·
	Civics Lesson 1 Democracy and Equality	Use of case study Writing Skill: National Anthem, Song, Preamble of India, Fundamental Rights and Duties.	To generate the feeling of equality along with the meaning of democracy.	
	Geography Lesson 1 The Earth's Structure and Landform	Draw a diagram showing layers of earth.	Illustrate about the changes which occur inside and on the surface of the earth.	27
August	Geography			
	Lesson 2 Atmosphere	Images and Smart Class	Understanding the composition and layers of atmosphere and learning about the	
	History Lesson 2 Kings and Kingdoms of the Early Medieval Period	Maps and Images	causes and its impact on earth.  Understanding the various kingdom of past and their administration.	
	Civics Lesson 2 State Government-The Legislature	Attractive Diagrams, Flow Chart	Will get better understanding of working of legislative bodies.	20
September	Geography Lesson 3 Water	Questions based on general observation, charts, diagrams	To make students understand the importance of water. Its interdependence on other spheres.	
	History Lesson 3 The Delhi Sultanate Civics	Quiz on different architectural structures and Indian Monuments	To make students aware about ancient Mughals. To make them understand engineering and constructional skills, artisanal organisation and resources	

	Lesson 3	Flow charts, diagrams	required for construction work.	
	State Government The Executive		Will got better understanding of working of	26
	Executive		Will get better understanding of working of executive bodies.	20
October	History			
	Lesson 4		To make students aware about advent of	
	The Mughal Empire	Maps, Flow charts, Images, PPT	the Mughals Students understands how a culture of a	
	<u>Civics</u>		region changes over time	
	<u>Lesson 4</u>		To understand architectural and	
	Role of State Government	Charts, Flow charts, images, GDs	engineering skills of that time	
			Make students understand about decision	
			making of government	
			Understanding the various subjects for	
			which the government works	22
November	Geography			
	Lesson 5	D. DD#	- 1.00 · 1.00	
	Diversity of life on Earth	Diagrams, images, PPT	To differentiate between life style in temperate grassland and tropical	
	Geography		grasslands. Different types of forest and	
	Lesson 7	Use of diagrams, questions based on	wild life found in those land forms.	
	Life in Deserts	general observation		
	Highory		To understand life in desert and differentiate between both cold as well as	
	History Lesson 8	Class presentation on Bhakti Saints,	hot desert.	
	Religious Development	Role Play, Questions based on general	not desert.	
		observation	To make students aware about different	
December	Coography		Bhakti movement and about social reforms.	18
December	Geography Lesson 8			
	Life in Tropical and	Images and Smart class	To know about different types of	
	Subtropical Region		environment found in different parts of the	
	Higtory		world.	
	History Lesson 10			
	India in eighteenth century	Maps, Images	To know about rise and downfall of	

	Civics Lesson 5		different kingdoms of India during eighteenth century.	
	Gender and Inequalities	Role play, Question based on their observation		22
	dender und mequanice		To understand gender biasness, gender inequality, value of house work etc.	
January	Geography Lesson 9 Life in Temperate Zone	Questions based on general observation images and smart class.	To know about life, vegetation, wildlife, occupation, crops and cultivation of	
	Civics	Group Discussion	temperate region.	
	Lesson 6 The Media and Democracy  Civics		To understand the role of media in our daily life. How it helps to create public opinion and important duties in democracy.	
	Lesson 8 Market Around Us	Images and Smart Class	democracy.	
				21
			To know about different type of shops around us, to understand the concept of different types of market like retail shop, whole sale markets etc.	
February	Revision			
				23
March	Revision and Final Term Exar	nination		23

SCIENCE CLASS -VII

MONTH	TOPIC	METHODOLOGY	LEARNING OUTCOMES	WORKING DAYS
JULY	<ul> <li>Nutrition</li> <li>Modes of nutrition</li> <li>Autotrophic nutrition-photosynthesis.</li> <li>Parasitic plants</li> <li>Saprophytic plants</li> <li>Symbiotic plants</li> <li>Insectivorous plants</li> </ul> NUTRITION IN ANIMALS <ul> <li>Steps in animal nutrition</li> <li>Nutrition in humans</li> <li>Nutrition in ruminants</li> <li>Nutrition in Amoeba</li> </ul>	<ul> <li>To explore and find the difference between saprophytic/parasitic and green plants.</li> <li>To collect various interesting facts on insectivorous plants.</li> <li>To show videos depicting photosynthesis, saprotrophic, Parasitic and insectivorous mode of nutrition.</li> <li>To observe and count the number of teeth.</li> <li>To explore the surroundings and observe the process of ingestion in different animals.</li> <li>Usage of videos to show the process of digestion in humans, ruminants and amoeba.</li> </ul>	<ul> <li>To explain the process of nutrition.</li> <li>To classify the Modes of nutrition.</li> <li>To differentiate between Autotrophic and Heterotrophic nutrition.</li> <li>To write the word equation of photosynthesis.</li> <li>To identify parasitic plants, Saprophytic plants, insectivorous plants and symbiotic plants.</li> <li>To identify and understand the steps of nutrition in human beings.</li> <li>To analyze the functions of different digestive organs in Human Digestive System.</li> <li>To draw a well labeled diagram of Human Digestive System.</li> <li>To explain the process of digestion in ruminants And amoeba</li> </ul>	27

AUGUST	FIBRE TO FABRIC  • Animal Fibres  • From fibre to wool  • From cocoon to silk.	<ul> <li>To show videos depicting wool and silk production.</li> <li>To explore different kinds of fabric by touching, soaking in water, burning etc.</li> </ul>	<ul> <li>To explore various animal fibers such as wool, silk etc.</li> <li>To ask question leading to investigation-Do some of our cloth come from animal source?</li> <li>To explain the process of Manufacturing wool and silk fabric from fibre.</li> </ul>	20
	HEAT, FLOW AND TEMPERATURE  • Heat energy • Measurement of temperature • Transmission of heat. • Conduction • Convection • Radiation	<ul> <li>Experiment to show heat and cold are relative.</li> <li>Explore type of thermometer found at home.</li> <li>Read body temperature.</li> </ul>	<ul> <li>To identify temperature of body.</li> <li>To identify transmission of heat in solid, liquid and gas.</li> <li>To differentiate between conduction and convection.</li> <li>To relate applications of conduction, convection and radiation in daily life.</li> </ul>	
		REVISION FOR PERIODIC TEST		
SEPTEMBER	<ul> <li>Objects in motion</li> <li>Speed</li> <li>Measurement of time</li> <li>Uniform and non-uniform motion Distance – time graph</li> <li>PHYSICAL AND CHEMICAL CHANGE.</li> <li>Physical changes</li> <li>Chemical changes</li> <li>Crystallization</li> </ul>	<ul> <li>To find the time period of a simple pendulum</li> <li>To write a paragraph on time management</li> <li>To show video for uniform and non- uniform motion</li> <li>To demonstrate different chemical and physical changes through live experiments and video.</li> </ul>	<ul> <li>To recall different types of motion.</li> <li>To calculate speed of a moving object.</li> <li>To explore ancient methods of Time measurement.</li> <li>To differentiate between uniform and non- uniform motion         <ul> <li>To plot and interpret distance – time graph.</li> </ul> </li> <li>To list different physical and chemical changes.</li> <li>To categorize the changes into physical and chemical</li> </ul>	26

October	<ul> <li>ACID, BASE AND SALT</li> <li>Acids and Bases</li> <li>Indicators</li> <li>Neutralization reaction and its uses in everyday life</li> </ul>	<ul> <li>To conduct experiment and test whether substance is acidic, basic or neutral using natural indicators.</li> <li>To study a neutralization reaction through experimentation.</li> <li>To make a card using turmeric paste and soap solution.</li> </ul>	<ul> <li>To identify the nature of materials as acidic, basic and neutral by observing different colours with indicators.</li> <li>To relate the process of neutralization with daily life</li> </ul>	22
November	<ul> <li>ELECTRIC CURRENT AND ITS EFFECTS.</li> <li>Electric current</li> <li>Electric circuit and its components</li> <li>Effects of Electric current</li> </ul>	<ul> <li>To construct an electric circuit and electromagnet.</li> <li>Using video to explain working of Fuse and MCB.</li> <li>To compare the structure and working of CFL, LED and an ordinary bulb.</li> <li>To study the sample of an electricity bill.</li> <li>To explain working of Electric bell through video.</li> </ul>	<ul> <li>To draw symbols and circuit diagram</li> <li>To discuss various ways of reducing consumption of electrical energy.</li> <li>To find out devices where heating and magnetic effects of electric current are used.</li> </ul>	18

December	TRANSPORTATION IN PLANTS AND ANIMALS.  Transport of materials  Circulatory system  Excretory system in humans  Transport of substances in plants	<ul> <li>To find out and compare the pulse rate at rest and after physical activity.</li> <li>To construct a model of stethoscope.</li> <li>To show conduction of water through stem.</li> <li>Usage of videos to show working of circulatory and excretory system in human beings</li> </ul>	<ul> <li>To learn the importance of blood as medium of transport in human body.</li> <li>To explain the working of circulatory and excretory system.</li> <li>To find out the significance of nutritious food, intake of water and exercise for healthy heart and kidneys.</li> </ul>	22
	Weather, climate and adaptation to the surroundings.  Climate Weather Climate and adaptations of different organisms.	<ul> <li>Examine weather report.</li> <li>Usage of video for explanation of climate and Changes after certain intervals.</li> </ul>	<ul> <li>To read and understand daily weather report and its significance in our daily life.</li> <li>To analyze the concept of climate and its impact on living beings.</li> <li>To find out various adaptations among organism, living in polar region, tropical region and hot (dry) region.</li> </ul>	
January	<ul> <li>Reproduction in plants.</li> <li>Modes of reproduction</li> <li>Methods of Asexual mode Of reproduction.</li> <li>Vegetative reproduction</li> <li>Sexual reproduction</li> <li>Pollination</li> <li>Dispersal of seeds and fruits.</li> </ul>	<ul> <li>Sporulation of fungi on stale bread</li> <li>Vegetative propagation in potato.</li> <li>Study bryophyllum leaf.</li> <li>Cutting of rose stem and preparing new pot of plant.(artificial propagation)</li> <li>Dissection of hibiscus flower and study of its various parts.</li> <li>Observe fruit and seed.</li> <li>Video of plant life cycle.</li> </ul>	<ul> <li>To analyze and differentiate differentiate types of plants on the basis of mode of reproduction.</li> <li>To perform artificial vegetative propagation</li> <li>To find out various ways of pollination.</li> <li>Identify seed and fruit dispersal.</li> </ul>	21

	<ul> <li>Reflection of light</li> <li>Image formed by plane mirror</li> <li>Spherical mirrors and Lenses</li> <li>Dispersion of light.</li> </ul>	<ul> <li>To demonstrate image formation by concave and convex mirrors and lenses.</li> <li>To demonstrate the dispersion of light using glass prism</li> <li>To observe the image formed by plane mirror</li> </ul>	<ul> <li>To understand reflection of light.</li> <li>To list the characteristics of image formed by concave and convex mirrors.</li> <li>To relate light energy to photosynthesis in living organisms.</li> </ul>	
February	<ul> <li>Defining respiration</li> <li>Types of respiration</li> <li>Respiration in humans</li> <li>Breathing in other animals</li> <li>Respiration in plants</li> </ul>	<ul> <li>To explain the mechanism of breathing using a model of lungs.</li> <li>To show that exhaled air contains carbon dioxide.</li> <li>To find out that the breathing rate increases with any physical activity.</li> <li>To calculate the breathing rate while resting.</li> <li>Usage of videos to show mechanism of breathing and gaseous exchange in human beings.</li> </ul>	<ul> <li>To explain cellular respiration.</li> <li>To differentiate between Breathing and respiration.</li> <li>To distinguish between aerobic and anaerobic respiration</li> <li>To describe the mechanism of breathing.</li> <li>To explore the process of gaseous exchange in animals and plants</li> </ul>	23
February		REVISION FOR FINAL TERM EXAMIN	NATION.	
March		REVISION & FINAL TERM EXAMINA	TION.	23

HINDI CHASS-VII MONTH NO. OF WORKING TOPIC **METHODOLOGY LEARNING OUTCOMES** DAYS मड ८-शप • पश्चिमी के प्रतिप्रेम, सारवर वाचन पंसी प्रकृति के ब्रेम करना 3187K1 (17) पाठ-2 दादी माँ े भाषा, में बोली की की भीख पाठ- 3 हिमालभ अनिकारी डेना, • स्वतेत्र जीवन और री बेरियाँ • व्यारण्यान क्रीशल परतेरा अविन ट्याकरगः-भाषा, बाली • भाषा की अउहरता का QUATE 149 37 8212151 ज्ञान कराना 021/05/01 पाठ- 4 कठ पुत्रती • २५ दूस उच्चार्ण हारा कविराका • स्वतंत्रता का भरत्व पाठ-5 मिठाई वाचन जुरवाना। क कल्पना शालित, राक वाला • वावाध र पवर करना थानित व चिंतन शन्ति 342144 पाठ-6 रकत और • बिया रूपं विशेषण की का विकास करना हमारा शरीर परिशाधा अताया गया। • भहाभारत क्या । अक्यास प्रवर्ग • मर शब्दों की आनमे की उत्सुकता · (21/00/0):-क्रिया, विशेष) • अव्यथी भाव समास २० हंड समास में अंतर सर्वनाम, समास • वस्ती में स्जनात्मक हिट -हारे अनु रहेवों से थाठ - 10 अनपूर्व

अनुमन सितम्बर

• आवश्वायन

• सम्मुच्यय केष्य • व्याकारण से संवंशित विभिन्न कार्यी पर भार हैना

शालित का विकास • पठन जीशल का विकास

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अक्टू बर	व्यक्रगः - भवना, स्वेनाम पत्र अस्त्रभारत कथा	• वचन की परिभाष। इवं प्रकार का वर्धना • वचन परिर्वन करना • सर्वनाम शहदें। को अंग्रेजी के Pronoun से जाड़कर समझान • पर्ज के प्रकार बताना ( अर्घवार्धिक परिश्रा)	• व्याकरन के प्रति रहिन • व्रेतिक / मानवीय ग्रेनी का विकास • सोचने रूवं समझने की शक्ति का विकास	22
नवम्बर्	पाठ-12 केंचा पाठ-13 स्क्र तिनका व्याकरगः-	• सस्वर्वाचन • विद्याल कवियों का चित्र एक चार्ट केपर में चिपकारः। • काल्प निक कचाओं का वर्गन कराना। • संचि के भेद बताना। (ध्याश्व्यान की बाल)	• पग विखने की क्रिया • संवाद में ३५६घवा • आत्मविश्वास • फ्रांच उत्पन्न • भीवन में धमंड न के	18
दिसंबर	ट्याकरगरवण्डः - • विराम चिष्ट्न • शब्द भेद • प्रा • सेझा ,सर्वनाम क्रिया, विशेषण संवाद लखन मुह्म्बरा, स्वेनु	कुलवाना • शबदभेद- वर्गपहेली • अग्रमासप्रश्न	• समरण शिक्त का विकास • यहन और का विकास • में की की की की भानी की अस्पुकरा	22
•	विनाम , पर्यायवार	A '		

अनवरी	भीर भीर बरखा व्याळ्ग: - उपस्मी, प्रत्यथ शब्द भेर, • मुहावरा • बाळ्य प्रयोग • ओ पत्यारिक फ निर्वेद्या		मानकारी हैना	21
फरवरी	• बीर बुंबर सिंह	• पाठ की बन्दों से	े देश अबित की भावना की जागत करना • नेक्ट्य के मुनों का विकास • डेश के अतिप्रेम	23
मार्च		( युनरा वर्ति)	•	23

HTNOW

SANSKRIT

MONTH	ТОРІС	METHODOLOGY	LEARNING OUTCOMES	NO. OF WORKING DAYS
<u>ज</u> ुलाई	• दृझारा प्राम् • स्मणला भविष्याम् • स्ट्रिंगस्याः • लड्लकार प्रथमः पुरन्धः मध्यम पुरन्धः उत्तम पुरन्धः	भि इति अष्ट्रस्य अनुस्वारें परिवर्तन शेष्यानाम् पद् परिन्ययस्य तालिका निर्माणम् मुक्ता। लकार् सम्ह्वा लिख्यत।	• विभिन्न पाठार प्रति भाषा श्लानम् स्व संस्कृत गीतम् प्रति रहिनः	27
342144	• अमृत-बिन्द्वः • संख्या झानम् • प्रट्ययाः	• न्निनः विद्यानं संख्यानं निकपणम् • प्रदम्य मुक्त शब्दानाम् अव्यय्न स्वेषण् वाक्येषु प्रयोगः	• संख्यावाची शब्दानाम् उपयोगिता भाषाची प्रयोगश्च • पूर्व कदर्त प्रत्ययनाम् धालु संयोगः उपयोगिता भाषाची प्रयोगश्च	20
सितंबर्	• विठि प्रति • खुदासः • मेट लनारः	• पठन- पाठन वाचन • अभ्यासकार्यः • विकित्न धातु - प्रयोगेन वार्तामपन य अभ्यासः	• लोह कना २६२ परिचय जीवने उपमाणिता च • लड्लकार: उत्तम इराषस्य जानम जीवे	26

	• अप पदं विश्वक्ति नियमाः	• उपस्की - धातु - प्रत्यानना सार्शी - निर्माणम्	डपर्यो गिता च	•
उपवर् वर्	<b>प्र</b> मरावृत्ति	अर्द्यवार्षिक परीक्षा		22
मवंबर्	• मातृ भूमयेनमः • भद्युरा श्लेम् • खुर्देदः बलम्	• भार भूमें प्रति आगरवं कट्वा स्वानुभाव लेखन • अम्यास कार्य • मधुरा श्लोकाः गायन रुवं वाचनम् कुरवत। • पाछ्य हिन्दी अनुवाद कुरवत	भातृभूमि प्रति जीवन भूट्येषु अपयोगिता श्रेलाकाना वार्यन गायन समर्श प्रस्तुरी करणन्य	118
दि संबर	• भगरस्य नहाः च वैदना • स्पिग किटवां	• स्वरहतायाः विषये अभारतंत्रं कट्या स्वान्तुभाव तिख्ये।	• स्वच्छतायाः प्रति जागराजः • भ्रवा कीशत	22

ञनवरी	• अत्ययपदा • अत्ययपदा • धातुरूप • कारक विभिन्ति • शास्यरूप	• संस्वर् वान्यन रुवं गायन • अव्यथानाम् सिन्जा वान्य प्रयोगजः • अभ्यास प्रश्नः	• कर्नी कारकस्य वाज्य निर्मालेन भाषायाः ज्ञानम् • करन् पद्दैः वाज्य रचना • अव्यय पद्मना परिचयः , अपमागः प्रयोगश्च	21
फरवरा	• कटवा प्रत्यथ	• विशेषन -पदानाम् उत्तरावस्या -उत्तमावस्या विजानुसारेन -आरनी -रन्पन निरनपनम्	कत्वा प्रत्ययां प्रथानां परिचयः, उपयोगः प्रयोगश्च	23
		• पुनरावन्ति ।		
मार्च		वार्षिक परिक्षा		23