

Bharatiya Vidya Bhavan Sohan Lal Public School
Curriculum
IX Std
Session 2021-2022
English

Book Name: Beehive Moments(NCERT)
 BBC

Month	Chapter Name	Learning Objectives	Online Activity/ Art integrated activities	Learning Outcomes
April	The Fun They Had	To Enhance Reading Skills Of Students	Diary Entry Online In Zoom Class	Students Will Be Able To Work In Group.
	The Sound Of Music The Lost Child	To Acquaint The Students With Biographical Sketch. To Make Them Empathetic.	Collage Of Musical Instruments.	Vocabulary Will Be Enhanced
May	The Road Not Taken The Little Girl A Truly Beautiful Mind Diary Entry(Writing	To Enhance Poetic Skills. To Enhance Reading Skills And Family Values. To Know About Genius People. To Enhance Language Skills.	Paragraph Writing. Biographical Sketch Of Father. Collage Of Discoveries Of Einstein.	Decision Making Skill, Language Skills. Will Be Able To Understand Family Values .
June 15-30 June Break	Wind Tenses	To Enable The Student Understand That One Should Never Give Up. To Know Different Literary Devices. To Enhance The Knowledge Of Grammatical Concepts.	Pictorial Chart On Literary Devices. Pictures Pasting For Examples.	Writing Skills Will Be Enhanced. Creative Expressions Will Improve
August	In The Kingdom of Fools. Revision	To Enjoy The Comedy In Fiction And To Learn Valuable Lesson From The Story		
September	Exams Online Term I	-----	-----	-----
October	The Happy Prince Packing Reach For The Top No Men Are Foreign	Students Will Know The Real Meaning Of Generosity. They Will Learn To Become Goal Oriented.	Article on My Country My Pride	Language Proficiency

November	<p>Weathering The Storm In Ersama.</p> <ul style="list-style-type: none"> • The Bond Of Love • The Last Leaf • On Killing A Tree 	<p>To Reflecty The Qualities Of Prashant, Johnsy And Narrator's Wife And Her Selfless Love For Bruno.</p>	<p>Extempore</p>	<p>Students Will Enjoy Reading And Understanding Of Stories With Valuable Lessons.</p>
December	<p>Reported Speech</p> <p>Modals</p> <p>A House Is Not A Home</p> <p>If I Were You</p>	<p>To Make Them Understand About The Concept Of Home And Family.</p> <p>To Understand And Appreciate One Act Play.</p>	<p>Dialogue Writing</p> <p>Comical Strips From Magazines And Newspaper</p>	<p>Reading And Sharing Of More Stories.</p> <p>Grammatical Concepts Will Be Enhanced.</p>
January	<p>The Snake Trying</p> <p>The Beggar</p> <p>A Legend Of The Northland</p>	<p>To Look Into The World Of Literature.</p> <p>-----</p>		<p>Love For Reading Books Will Be Inculcated.</p>
February	<p>Revision</p> <p>Final Exam</p>	<p>-----</p>	<p>-----</p>	<p>-----</p>

Maths

Book Name: Text book of Mathematics (NCERT)

Month	Chapter Name	SubTopics	Learning Objectives	Online Activity/ Art integrated activities	Learning Outcomes
April	Polynomials	Zeros of a Polynomial , Remainder Theorem Factor Theorem ,Algebraic Identities	Students must understand the basic of Constant , Variable , Coefficients , Algebraic Expression etc. Polynomials Degree , Find zeros.	Ask students to research on polynomials that where polynomials are being extensively used in maths & science. Cut out a right angled triangle ABC right angled at B. Paste a long thick string along one of perpendicular sides say AB of the triangle Hold the string with your hands on either sides of the triangle and rotate the triangle and then ask to identify the figure formed. Research on how the Surface areas of different solids is formed	Students now are able to : To identify polynomial & degree of polynomial , zero of polynomial. To prove Remainder Theorem & Factor Theorem
		Surface Area of Cuboid & Cube , Surface Area of Right Circular Cylinder and Cone , Surface Area of a Sphere and Hemi-sphere , Volume of Cuboid & Cube , Volume of Right circular Cylinder and Cone . Volume of a Sphere and Hemi-sphere	Students must be able to learn about all the 3 dimensional figures in the real world that what happens if we cut out many of these plane figures of the same shape and size from cardboard sheet and stack them up in a vertical pile.	Students are now able to calculate Surface Areas & Volumes of diff solids such as cube , cuboids, cylinder, cone & sphere etc, & Also learned that how to generate solid figures they will be able to use them in their day to day life	
May	Hero's Formula	Area of a triangle , Area of a triangle by using Heron's Formula.	Students should know how to calculate the area or height of a given triangle of given 3 sides only to recall area of Δ , concept of Isosceles and equilateral Triangles	Students can engage in using Heron's formula to find the area of triangular shaped foods available at home. To calculate area of material used in making umbrella Ask students to read how properties of lines and angles are used by professionals . For eg-	Students are now able to understand and apply the formula of herons in calculating real life problems like areas of field students will be able to describe basic geometric terms & definition.
	Lines and angles	Basic terms & definitions of Intersecting Lines & Non-intersecting lines ,			

		Pairs of Angles ,Parallel Lines and a Transversal,Angle Sum Property of a Triangle	Students should be able to explain the term line , line segment ray, collinear points and various types of angles points, intersecting lines, \parallel lines, adjacent angles	engineers , scientists and even technicians.	They will be able to solve exercise based on lines and angles
June	Triangles	Meaning of Congruence of Triangles	Students should make understand the proofs of the theorems based on triangles.	Ask students to research on how the properties of angles can vary in each triangle.	After studying this chapter student can able to understand the Different kind of triangles , Different congruence conditions .
June 15 to June 30 Summer Holidays					
July	Triangles Continued ... Linear Equations	Triangles Continued Congruence of Triangles ,Criteria for Congruence of Triangles SAS , ASA/AAS , SSS , RHS Students should make understand the proofs of the theorems based on triangles. Solution of a Linear Equation Graph of a Linear Equation in Two Variables Equations of Lines Parallel to the x -axis and y -axis	Also they should know equality of one pair of sides or one pair of sides and one pair of angles is not sufficient to give us congruent triangles To understand linear equation in form of $ax+by+c=0$, sol of a linear eq., the eq. of the axes, geometrical representation.	ask students to research on how the properties of angles can vary in each triangle. Ask them to check if there are linear eq. in more than 2 variables Give the equations of two lines passing through (2, 14). How many more such lines are there, andwhy?	Proof of important theorems (angle sum property , vertically opp angle) students will be able to identify linear eq. in two variables & find the solution of such eq. They will also be able to represent graphically.

August	<p>Statistics</p> <p>Probability</p> <p>Constructions</p>	<p>Analyse diff types of data, create frequency dist. Table, bar gap, interpret data, frequency polygon, histogram, mean ,mode, median .</p> <p>Define probability and experimental probability . Define the term experiment, trial event and outcome. calculate probability of an outcome in a given event.</p> <p>To bisect a given angle. To draw the perpendicular bisector of a given line segment. To construct an angle of 60°etc. To construct a triangle given its base, a base angle and the sum of the other two sides.</p>	<p>they should know diff types of data, create frequency dist. Table, bar gap, interpret data, histogram, adjusted histogram, mean ,mode, median.</p> <p>The term experiment, trial event and outcome. calculate probability of an outcome</p> <p>In this chapter, some basic constructions will be considered. These will then be used to construct certain kinds of triangles</p>	<p>to ask students o crate an opinion poll, plot the Bar Graph , Histograms .</p> <p>In a cricket match, a bats woman hits a boundary 6 times out of 30 balls she plays. Find the probability that she did not hit a boundary.</p> <p>To construct the bisector of a given angle.</p>	<p>Students now are able to do draw the perpendicular bisector of a given line segment.</p> <p>Analyse diff types of data.</p> <p>Do various types of problems related to Probability.</p>
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September :Revision and Online Terminals

October	<p>Quadrilaterals</p>	<p>Angle Sum Property Types of Quadrilaterals Properties of parallelograms ,</p> <p>The Mid-point Theorem</p>	<p>Describe type s of quad & their properties, Problems on Mid Point Theorem.</p> <p>To identify coordinates of a point, to locate the quadrant in cartesian plane,</p>	<p>The quadrilateral formed by joining the mid points of the sides of a quadrilateral, in order parallelogram. ask the students to make the venn daigram of a quad that summarises the unique properties of various quad The line-segment</p>	<p>After completing the lesson students should be able to describe the diff types of quad and their properties especially the properties of //gm.</p>
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	Co-Ordinate Geometry	To locate the position of an object or a point in a plane , Cartesian System , Plotting a Point in the Plane if its Coordinates are given	to plot point & write abscissa .	joining the mid-points of any two sides of a triangle is parallel to the third side and is half of it. Suppose you put a dot on a Sheet of paper[Fig.3.2(a)]. If we ask you to tell us the Position of the dot on the paper, How will you do this?	They will also be able to prove various theorems related to quad and parallelogram
November And Revision	Number System And Revision	Irrational Numbers Real Numbers and their Decimal Expansions Operations on Real Numbers Laws of Exponents for Real Numbers	Students should know concept of Integers , Real No's , Rational . Nos, R. No's on number line .	Find about the golden ratio $\frac{\sqrt{5}+1}{2} = 22/7$	Students will be able to understand the concept of I. Nos, R. Nos , rationalising denominators, app. Of various
December : Exams					
January	Circles	Perpendicular from the Centre to a Chord , Circle through Three Points , Equal Chords and their Distances from the Centre , Angle Subtended by an Arc of a Circle , Cyclic Quadrilateral	Define circle, centre, circumference, radius , chords, diameter , arc, segment, sector in relation to circle	Ask students to do activity to find out why all celestial bodies (except asteroids) are spherical in shape .	Students will be able to explain all the terms related to circles . They will be able to prove various theorems related to circles , concyclic & cyclic quadrilaterals , concyclic & cyclic quadrilaterals
February : Revision					
March : Final Exam					

Science(Physics)

Book Name: Text Book of Science (NCERT)

Month	Chapter Name	Sub-Topics	Learning Objectives	Online Activities/ Art integrated activities	Learning Outcomes
April	Motion	1.Describing Motion 2.Motion Along a Straight Line 3.Uniform Motion 4. Non-Uniform Motion	To know about 1.Motion 2.Rest 3.Referance Point 4.Scalar Quantities 5.Vector Quantities 6. Distance and Displacement 7.Uniform Motion 8.Non-Uniform Motion 9.Numericals	1.To List the Various Things in State of Rest and Motion 2. To Collect and Examine the Motion of Two Different Objects and Check If the Motion Is Uniform or Not 3.Online Videos For Scalar And Vector Quantities	Students Will Be Able to: 1.Define Rest and Motion. 2.Relate Rest and Motion. 3.Define Distance, Displacement, Scalar and Vector 4.Solve Numerical Based On Distance and Displacement. 5.Differentiate Between Uniform and Non- Uniform Motion.
May	Motion	1.Measuring The Rate of Motion 2.Speed with Direction 3.Rate of Change of Velocity 4.Graphical Representation of Motion	8.distance-time graphs 9.velocity-time graphs 10. numerical		Types of Motions 5.Solve Numerical Problems Related To Velocity And Acceleration

June	Motion	<p>1. Equations of Motion by Graphical Method</p> <p>2. Numericals</p> <p>3. Uniform Circular Motion</p>	<p>Students will be able to</p> <p>1. Derive the Equations of Motion</p> <p>2. Velocity- Time Relation ($v = u + at$)</p> <p>3. Position- Time Relation ($S = ut + \frac{1}{2} at^2$)</p> <p>4. Position- Velocity Relation ($v^2 - u^2 = 2as$)</p> <p>5. Numericals Based On Equations of motion</p> <p>6. Uniform Circular Motion</p> <p>7. Numericals Based On Circular Motion</p>	<p>1. Explaining The Derivation with The Help of Online Videos</p> <p>2. To Study Uniform Circular Motion by Using a Thread and Stone.</p>	<p>Students Will Be Able to:</p> <p>1. Derive Relationship Between Speed, Time, Distance, Acceleration Etc.</p> <p>2. Describe Uniform Circular Motion</p> <p>3. Prove That Uniform Circular Motion Is Accelerated</p> <p>4. Apply The Concepts to Daily Life Activities</p> <p>5. Solve The Related Numerical Problems.</p>
July	Force And Laws Of Motion	<p>1. Force</p> <p>2. Balanced and Unbalanced Force</p> <p>2. First Law of Motion</p> <p>3. Inertia and Mass</p> <p>4. Second law of motion</p>	<p>1. Introduction</p> <p>2. Types of Forces</p> <p>3. Balanced Forces</p> <p>4. Unbalanced Forces</p> <p>5. First Law of Motion</p> <p>6. Inertia and Its Types</p>	<p>1. To Show the Concept of Force by Using Different Objects Like Boxes, Toy Cars Etc.</p> <p>2. Explaining Inertia by Using Objects of Different Sizes and Masses.</p> <p>3. To Show the Relation of Momentum with Mass and Velocity.</p>	<p>1. Describe Forces and Its Types</p> <p>2. Students Will Be Able to:</p> <p>3. Apply The First Law and Inertia to Day to Day Activities.</p> <p>4. Relate Mass to Inertia</p>

August	Force And Laws Of Motion	1.Second Law of Motion 2.Mathematical Formulation of Second Law of Motion 3.Numericals 4.Third Law of Motion 5.Conservation Of Momentum	1.Momentum 2.Second Law of Motion, Mathematical Deviation of Second Law 3.Impulse 4.Numericals 5. Third Law of Motion and Its Applications 6. Law Of Conservation Of Momentum And Related Numerical	1. To Explain Impulse by Using Online Videos 2.To Correlate Third Law of Motion to Various Daily Life Activities 3.To Prove The Law Of Conservation Of Momentum	1.Learn About Momentum 2.Learn About Force and Its Relation with Mass and Acceleration 3. Describe The Third Law and Its Day to Day Application 4. Relate The Law of Conservation of Momentum to Third Law of Motion 5. Solve Related Numerical Problems
September	-----	-----	REVISION & ONLINE TERMINAL EXAM	-----	-----

October	Gravitation	1.Gravitation2 .Universal law of gravitation 3.Gravity 4.Free fall 5. Acceleration due to gravity 5.mass & weight 6. Weight of an object on the Moon	Students will be able to 1.know importance of universal law. 2.know about free fall and acceleration due to gravity. 3.differentiate between mass and weight 4. know about the factors for variation in acceleration due to gravity.	1.Demonstrating centripetal force using thread and stone. 2. Discussion of daily life examples of gravitational force.	Students will be able to 1.explain the gravitational force using different examples. 2. distinguish between mass and weight. 3. will be able to solve numericals
November	Work & Energy	1.Work 2.work done by constant force 3. Energy 4. Kinetic energy & Potential energy 5. Energy transformations	To know about 1.Scientific conception of work 2. energy and its types. 3. identify the variables which will effect potential energy and kinetic energy. 4. law of conservation of energy	1. Explaining work concept by using block 2. Discussion of daily life examples of potential and kinetic energy. 3. Examples involving conversion of energy	Students will be able to 1.define work and identify its unit. 2.predict whether a force is doing positive, negative and zero work done. 3. apply work energy relationship to simple physical situations.
December	-----	-----	TERMINAL OFFLINE EXAM	-----	-----
January	1.Work & Energy	1. Rate of doing work: power 2.Commercial unit of energy	To know about 1.Power and its unit.	1. Calculating power for physical situations.	Students will 1.Define power and identify its unit.

	2. Sound	3. Sound needs a medium to travel 4. Sound waves are longitudinal waves 5. Relation between frequency and time period	2. to distinguish between power & energy 3. Different terms of wave amplitude, frequency, wavelength etc.	2.	2. solving numericals for electrical energy. 3. be able to differentiate between longitudinal waves and transverse waves. 4. solving numericals based on frequency & time period.
February	-----	-----	Revision & Exams	-----	-----

Science (Chemistry)

Book Name: Text Book of Science(NCERT)

Month	Chapter Name	Sub-Topics	Learning Objectives	Online Activities/ Art Integrated Activities	Learning Outcomes
April	Matter in the Surroundings (Deleted)	1. Matter and its states 2. Particle nature of Matter and their characteristics. 3. Diffusion 4. Properties of Solid, Liquid and Gas.	1. Introduction 2. Matter 3. States of Matter 4. Scales of Measuring Temperature 5. Can Matter change its state? 6. Two more states of Matter (a) Plasma (b) Bose – Einstein Condensate 7. Change of state from solid to gas and vice-versa 8. Interconversion of states of matter 9. Evaporation	1. Dissolution of sugar into water (Demonstration Method) 2. Burning of in science stick 3. Dissolution of Ink/Honey in Hot and Cold Water 4. Online videos regarding the properties of solid, liquid and gas	Students will be able to: 1. Know about matter 2. Differentiate matter from abstract things 3. Define diffusion 4. List the reason for microscopic nature of an atom. 5. Reason for the existence of various states of matter 6. Know behaviour of porous solids 7. Justify why some substances sink, while some float when inter-mixed. 8. Difference between viscosity and fluidity. 9. understand whether an empty round bottom flask is really empty. 10. Link the observation about states of matter with daily life.

May	Matter in our surroundings (Deleted)	<ol style="list-style-type: none"> 1. Scales of measuring temperature 2. Inter conversion of states of matter 3. Latent Heat 4. Two more states of Matter 5. Evaporation 	<ol style="list-style-type: none"> 1. Knowledge about celsius scale and kelvin scale of measuring temperature. 2. Awareness about Hidden Heat which is used for inter-conversation of states of matter. 3. Difference between evaporation and boiling. 	<ol style="list-style-type: none"> 1. Showing the thermometers of celsius and kelvin scale during online class and learning concept of 0 degree celsius = 273 kelvin 2. Showing the melting point of ice and boiling point of water through Virtual Lab and temperature changes during these processes. 3. Through various activities from day to day life, it will be made clear that evapoaration causes cooling like <ol style="list-style-type: none"> (a) Working of desert cooler (b) cooling of water in earthen pots (c) Wearing of cotton clothes in summer. (d) Sweating automatically in summers to control body temperature. 	<p>Students will be able to:</p> <ol style="list-style-type: none"> 1. Know the different between two scales of temperature. 2. List the factors responsible for causing the change in state. 3. Enhance observation and analytical skill. 4. Define fusion , boiling , Latent heat of fusion and latent heat of vaporisation. 5. List and explain the examples where evaporation causes cooling . 6. List and observe the factors affecting evaporation.
June (upto 15th)	Is Matter Around Us Pure	<ol style="list-style-type: none"> 1. Elements and Compounds 2. Pure Substances and their characteristics 3. Physical Properties of Metals and Non-Metals 4. Properties of compounds. 5. Mixtures and their types 6. Properties of Mixtures 	<ol style="list-style-type: none"> 1. Introduction 2. Pure Substances : Elements and Compounds 3. Mixtures 	<ol style="list-style-type: none"> 1. Showing various elements like Copper, Iron, etc. and compounds like sodium chloride, sugar, glucose as pure substances during online class. 2. To study the properties of Iron and Sulphur as a mixture and Iron Sulphide as a compound and their behaviour towards: <ol style="list-style-type: none"> (i) Magnet (ii) carbon disulphide (iii) Dil. HCl 	<p>Students will be able to :</p> <ol style="list-style-type: none"> 1. Classify Matter on the bssis of chemical composition 2. Define element, compound, homogeneous and heterogeneous mixtures. 3. Develop Observational and Critical Thinking skills.

July	Is Matter Around Us Pure	<ol style="list-style-type: none"> 1. Experiments to show physical and chemical changes 2. Characteristics of a physical and chemical change 3. Some Examples of physical and chemical change and the changes where physical as well as chemical change is involved. 4. Numericals for the concentration solution. 5. Properties of True Solution, suspension and colloidal. 6. Solubility and effect of temperature and pressure on it. 7. Separating the components of a mixture by evaporation, centrifugation, by separating funnel, sublimation, chromatography. 	<ol style="list-style-type: none"> 1. Physical and Chemical Changes. 2. Concentration of a solution 3. True Solution 4. Solubility 5. Suspension and Colloidal Solution 6. Separating the components of a mixture 	<ol style="list-style-type: none"> 1. Experiments to show physical and chemical changes are shown through virtual lab. 2. Properties of true solution, colloidal and suspension are studied through virtual lab in online class. 	<p>Students will be able to :</p> <ol style="list-style-type: none"> 1. Define and differentiate between physical and chemical changes. 2. Study the application of colloids in everyday life. 3. Observe the phenomenon of Blue color of the sky, sewage disposal , purification of drinking water as colloidal systems that we come across in day to day life. 4. Explain the scientific principle , procedure and application of various methods used to separate the components of a mixture.
August	Is Matter Around Us Pure	<ol style="list-style-type: none"> 1. Separate the components of a mixture by distillation, fractional distillation, crystallisation. 2. How can we obtain different gases from air ? 3. Steps involved in the purification of drinking water. 	<ol style="list-style-type: none"> 1. Separating the components of a mixture 2. Purification of Drinking Water 	<ol style="list-style-type: none"> 1. Various activities of separation of mixtures are shown through online videos. 	<p>Students will be able to :</p> <ol style="list-style-type: none"> 1. Differentiate and classify various materials . 2. Explain processes and phenomenon , analyse and interpret diagrams. 3. Apply learning to hypothetical situation and scientific concept in daily life and solving problems.
September	First Term Exams TERM II				
October	Atoms and Molecules	<ol style="list-style-type: none"> 1. Ancient thoughts about atoms and molecules. 2. laws of chemical combination 	<p>Students will be able to understand :</p> <ol style="list-style-type: none"> 1. The law of chemical 	<ol style="list-style-type: none"> 1. Lab activity on the law of conservation of mass will be conducted. 2. paper presentation 	<p>By the end of the topics the students will be able to:</p> <ol style="list-style-type: none"> 1. Understand the law of chemical

		<p>a) law of conservation of mass b) law of definite proportion or law of constant composition 3. Numerical problems on laws of chemical combination 4. Dalton's atomic theory a) Postulates of Dalton atomic theory . b) Explanation of laws of chemical combination by Dalton atomic theory. c) Limitations of Dalton atomic theory . 5. What is an atom ? How big are the atoms? Can we see them? 6. Symbols used to represent atoms of different elements 7. How do atoms exist?</p>	<p>combinations. 2. Dalton's atomic theory. 3. Understand the concept of atom . 4. Understand about the sub-atomic particles and about their arrangement in an atom.</p>	<p>by students on the topics of their choice using audio visual aids if required.</p>	<p>combination . 2. Understand the Dalton's atomic theory also and how the laws of chemical combination are explained by Dalton atomic theory 3. Understand about atoms and their symbols.</p>
November	Atoms and Molecules	<p>1. Atom and atomic mass 2. What is a molecule 3. Molecules of an element and a compound 4. Naming the molecules of elements 5. What are ions and ionic compounds ? 6. Writing chemical formula of compounds. 7. Concept of valency. Rules for writing chemical formulae .</p>	<p>Students will be able to understand :</p> <ol style="list-style-type: none"> 1. The basic concept of element molecule and compound. 2. Differentiate between the molecules of element and molecules of compounds. 3. Understand about the importance of symbol atomic number and mass number of the elements . 4. Understand about the methods to write the chemical formula of various compounds. 	<p>Students will be asked to memorize the periodic table 1 to 20 elements with their symbols and atomic number discussion will be carried out on the problem solved and activity done by the students to have a better understanding of the topic</p>	<p>While going through these topics students will be able to learn about:</p> <ol style="list-style-type: none"> 1. Atoms : The building block of matter . 2. Elements their names and symbols. 3. Ions and chemical formula of the compounds.

December	Atoms and Molecules	<ol style="list-style-type: none"> 1. Gram atomic mass. 2. Gram molecular mass 3. Gram formula unit mass 4. Mole concept and problems based on mole concept 5. Mole in terms of mass 6. Mole in terms of number 7. Mole in terms of volume 8. Molar mass and molar volume 9. Mole concept for ionic compounds. 	<p>Students will be able to :</p> <ol style="list-style-type: none"> 1. Understand the basic concept of atomic mass , molecular mass ,gram atomic mass and gram molecular mass. 2. Understand the basic concept of mole concept . <p>Improve problem solving skills.</p>	<ol style="list-style-type: none"> 1. Various worksheets will be given based on data analysis, mapping of various elements and writing chemical formula of compounds. 2. Paper presentation by students on various topics of their own choice using audio visual aids if required. 	<p>While going through this chapter the students will learn about :</p> <ol style="list-style-type: none"> 1. Atomic mass 2. Formula unit mass 3. Percentage composition of a compound 4. Gram atomic mass 5. Gram molecular mass 6. Mole concept
January	Structure of the Atom	<ol style="list-style-type: none"> 1. Existence of charged particles in matter . 2. Discovery of electron - study of cathode rays 3. Discovery of proton - study of canal rays . 4. Thomson's model of an atom 5. Drawbacks of Thomson's model of an atom . 6. Rutherford model of an atom. 7. Discovery of nucleus. 8. Rutherford's alpha scattering experiment . 9. Rutherford's nuclear model of an atom . 10. Drawback of Rutherford model of atom. 	<p>Students will be able to understand :</p> <ol style="list-style-type: none"> 1. About the structure of atom 2. Understand and appreciate the contribution made by scientists on understanding the structure of atom 3. Importance of studying the structure of an atom. 	<p>Paper presentation by students on the topic 'Role of Cathode Rays in Everyday Life'. They will develop the topic by using audio visual aids.</p>	<p>By the end of the lesson students will be able to understand:</p> <ol style="list-style-type: none"> 1. The basic properties of sub-atomic particles : electron, proton and neutron . 2. State the Thomson's model of an atom its merits and demerits. 3. Understand the Rutherford gold foil experiment . State the Rutherford model of an atom its , merits and demerits.
February	Structure of the Atom	<ol style="list-style-type: none"> 1. Bohr model of atom. 2. Discovery of neutron. 3. Atomic number and mass number . 4. Difference between atomic number and mass number. 5. Calculation of number of electrons, protons and neutrons 	<p>Students will be able to understand the structure of atom .</p> <ol style="list-style-type: none"> 1. Understand and appreciate the contribution made by scientists on understanding 	<p>Model of structure of atom. Group discussion on the topic: 'Importance of Bohr's model in the modern scenario'</p>	<p>By the end of the lesson students will be able to state the Bohr's model of an atom its merits and demerits</p> <ol style="list-style-type: none"> 1. Understand the distribution of electrons in different shells 2.

	<p>from atomic number and mass number .</p> <p>6. Distribution of electrons in different shells.</p> <p>7. Valence electrons and valency .</p> <p>8. Isotopes</p> <p>9. General characteristics of isotopes.</p> <p>10. Reason for fractional atomic masses and calculation of average atomic mass.</p> <p>11. Applications of isotopes</p> <p>12. Isobars.</p>	<p>the structure of Atoms.</p> <p>2. Understand the importance of studying the structure of atom.</p>	<p>Understand the concept of shell isotopes isotones and isobars give an example of isotopes former isotones and isobars</p> <p>3. Calculate the average atomic mass of an atom.</p>
February and March	Revision And Final Term Exams		

Science(Biology)

Book Name: Text Book Science(NCERT)

Month	Topic	Sub Topic	Learning Objectives	Outcomes	Online Activities/ Art integrated activities
April	Chapter5; Cell-the fundamental unit of life	Cell as basic unit of life: Discovery of cell and organelles, prokaryotic and eukaryotic cell, unicellular & multicellular organisms; cell membrane, structure and function; movement of substance across the cell; diffusion and osmosis; solution and its types	To make the student understand the fundamental organisation of life i.e. advantage of multicellularity, differences between prokaryotic and eukaryotic cells	The student will learn about the importance of cell, diffusion & osmosis, concept of hypotonic, hypertonic and isotonic solutions.	To make temporary mount of onion peel, and cheek cells(O- lab), virtual lab, e-assignment, worksheets.
May	Cell-the fundamental unit of life (Continued)	Cell wall, cell organelles, Nucleus, chromosomes, cytoplasm, chloroplast, mitochondria, vacuoles, endoplasmic reticulum, goli apparatus.	To make the students understand the working of cell organelles & its importance in cell division of labour in cell	The students will be acquainted with the functioning of various organelles of the cell.	To see structure of cell on O-labs, e-assignment.
June	Cell-the fundamental unit of life (Continued)	Cell Division and its types, mitosis, meiosis, differences and importance of various types of cell division.	To help the students understand the significance of cell division.	The students will know the difference between mitosis and meiosis	To study mitosis and meiosis on virtual O - Labs
15-30 June	Summer Break				
July	Natural Resources (For portfolio activities)	Importance of air, water, soil. Movement of air pollution, air water and soil pollution; Biogeochemical cycles; water, oxygen, carbon, nitrogen, ozone hole)	Learning the importance of air, water and soil in our life.	The students will learn about biogeochemical cycling of nutrients in nature.	For Portfolio activity(to make Projects about various types of pollution)

August	Why do we fall ill?	Definition of health/disease, acute and chronic diseases, causes of disease, infectious/non infectious diseases, immunisation	Students will understand diseases and various types of microbes, methods of spread of diseases	Students will learn the causes of various diseases	To make Norway sheets of different types of microbes.
September		On line Terminal Examinations			
October	Tissues	Definition of tissues; plant tissues, meristematic tissue, simple permanent tissues, complex permanent tissues.	Students will understand different types of meristematic simple and complex tissues	Students will understand different types of meristematic simple and complex tissues	To see slides of simple permanent tissues in lab.
November	Tissues(continued)	Epidermis: its role & cambium	Importance of Epidermis	Role of stomata in transpiration and gaseous exchange and water loss.	To study slides of different types of simple permanent tissues on O-Lab
November(15 th -30 th)		Revision			
December	Offline Terminal Examinations				
January	Tissues	Animal tissues-epithelial, muscular, connective and nervous tissues	The students will learn importance of various types of cells in our body.	Use of tissues in movement, protection, covering of the body, working of the heart, nervous system	To study slides of different types of muscular tissue, neuron, epithelial tissues
February	Revision				
March	Final Term Examinations				

Social Science

Book Name: Contemporary World Part-I(NCERT)

Month	Chapter/ Topics	Learning Objectives	Online Activities/ Art integrated activities	Outcomes Of Learning
April	Chapter - What is democracy ? Why democracy? <ul style="list-style-type: none"> • What is Democracy? • Features of Democracy • Why Democracy? • Broader meaning of Democracy 	Develop conceptual skills of defining Democracy <ul style="list-style-type: none"> • Understand how different historical processes and forces have promoted Democracy • Develop a historical sense of the choice and nature of Democracy in India 	<ul style="list-style-type: none"> • Debate about the merits and demerits of Democracy With reference to case studies 	The meaning of Democracy With reference to case study of China, Mexico, Zimbawa, Pakistan <ul style="list-style-type: none"> • Merits and demerits of Democracy • Meaning of Democracy • In broader sense i.e representing Democracy
	Chapter – Constitutional Design Why do we need constitution ? <ul style="list-style-type: none"> • Making of Indian Constitution • The Constituent Assembly Guiding values of the Indian Constitution 	<ul style="list-style-type: none"> • Understand the process of constitution making • Develop respect for the constitution and appreciation for constitutional values • Recognizing constitution as a dynamic and living document 	<ul style="list-style-type: none"> • Chart making on reflecting the ideals of the Preamble of the Indian Constitution 	<ul style="list-style-type: none"> • Understanding the meaning and necessity of Constitution • Importance of Constituent Assembly • The role of Constituent Assembly • The ideals of Preamble

May	<p>Chapter – Pastoralist in the Modern World Pastoral Nomads and their Movements Colonial Rule and Pastoral Life Pastoralism in Africa</p>	<ul style="list-style-type: none"> • Highlights varying patterns of development within different places • Analyse the impact of colonialism on forest societies • Show the different processes through which agrarian transformation may occur in the modern world • Analyse the impact of modern states, making of boundaries, contraction of pastures and expansion of markets • pastoralism in the modern World. 	<ul style="list-style-type: none"> • Map work – Locating the places of different nomadic tribes 	<ul style="list-style-type: none"> • To understand the cyclical or seasonal movements of pastoral communities of hilly area and plain area • To know about their problems and different ways adopted to come up these problems • The life of pastoralists in the modern world
	Revision Test			
June	<p>Chapter – The Story of Village Palampur</p> <ul style="list-style-type: none"> • Organization of production Farming in Palampur • Non-Farm activities of Palampur 	<ul style="list-style-type: none"> • Familiarize with basic economic concepts through an imaginary story of village • Understand the demographic concepts 	<p>Debate on the life of Modern v/s traditional village</p>	<ul style="list-style-type: none"> • To get familiar with the life style of a village • Different activities carried on in a village farming as well as non- farming <p style="text-align: center;">+</p> <ul style="list-style-type: none"> • Assignments

July	<p>Chapter – People as Resource</p> <ul style="list-style-type: none"> • How people become resource • Economic activities done by men and women • Quality of population • Role of health and education • Unemployment 	<ul style="list-style-type: none"> • Understand how population can be asset or a liability for the nation • How population in the form of human capital can participate and contribute in nation building 	<p>Making a collage on different schemes introduced by the government in the field of education and health</p>	<ul style="list-style-type: none"> • Understanding the importance of population • Conversion of population into assets by investing in health and education • Importance of human capital
	<p>Chapter – Democratic Rights</p> <ul style="list-style-type: none"> • Why do we need rights? • Rights in democracy • Rights in Indian Constitution • Role of Judiciary 	<ul style="list-style-type: none"> • Recognize the need for rights in one's life • Identify Fundamental Rights given by Indian Constitution • Create awareness regarding the process of safeguarding rights 	<p>Preparing a chart on fundamental rights</p>	<ul style="list-style-type: none"> • Awareness about the importance of Fundamental Rights • The role of Judiciary in the protection of Fundamental Rights
August & September	Revision & Terminals			
October	<p>Chapter–French Revolution</p> <ul style="list-style-type: none"> • French Society during the late 18th century • The outbreak of the revolution • France abolishes Monarchy and becomes a republic • Abolition of slavery • The revolution and everyday life 	<ul style="list-style-type: none"> • Familiarize with the names of people involved • The different types of ideals that inspired the revolution • Know the use of written, oral and visual material to recover the history of revolutions 	<ul style="list-style-type: none"> • Timeline • Map 	<ul style="list-style-type: none"> • Importance of masses in bringing changes / revolution • Ideas of liberty and democratic rights <p style="text-align: center;">+</p> <ul style="list-style-type: none"> • Revision Test

November	Chapter-Electoral Politics *Electoral constituencies * Reserved *Voters list *Nomination candidates * Election campaign * Polling &Counting *Challenges to free And fair elections	Knowledge about voting system in India Working of EVMs. Slogan understanding	Make chart on the process of stages of election process Slogan writing competition	Awareness of voting & voting Rights
December	Chapter—Working of Institutions *Need for political institution * Need of Parliament *Two houses *PM & COM *The President *Judiciary * Power of CM *Political &Permanent execution	Make awareness About the difference between Lok Sabha & Rajya Sabha <ul style="list-style-type: none"> • Civil servants as permanent & political leaders as non-permanent • Powers of CM, PM& COM 	Make a PPT of Parliament Prepare A Chart On Power of PM ,CM& President	Students will fully satisfy with the working of our Government & its bodies
February & March	Revision & Final Terminal	To make aware students about schemes launched by govt. for the welfare of poor people Provision of Ration cards APL BPL * Students will learn about how Hitler rule over Germany Why People hate him * Which Policies followed	Make a list of your known people under three columns a) Rich b) middle(APL) c) poor (BPL) * Collect pics of Jews ,Gypsies ,Nordic German Aryans & Poles Make a Collage Of it Then circle Desirable & Undesireable	Importance of Education &Health

Geography

Book Name: Contemporary India Part-I(NCERT)

Month	Chapter Name	Sub topics	Learning objectives	Online Activities/ Art integrated activities	Outcomes of learning
April	India - Size and location	1- Location 2- Size 3- India and the world 4- It's neighbours	1-Importance of meridians in determining the time	1- Engaging them in marking the features on map by using colour	1- They are learning different features of India
			2- To tell students about India's strategic location in the context of world	2- Online quiz to check their knowledge	2- They are aware about the neighbouring countries and
			3- Relation with other neighbouring countries	3-Video clips to give them extra knowledge	
May	Physical features of India	1-Formation of the physical features 2Gondawana land features	1-Making them clear about the formation due to faulting, folding and volcanic activity 2- Tell them about the present location of the contents	1- Showing them map 2- Discussion about different topics	1- Students will be aware about all the physical features of India 2- They will be knowing about the division of physical features on the bases of regions
June	Physical features of India	1- Major Physiographic Divisions	1. To tell them about the Physical features of India	3- Showing different videos	
			2- To make them aware of different ranges and divisions of Himalayas	4- Online quiz to check their knowledge	
			2- Northern Plains 3.Peninsular Plateaus	3- To make them learn about the characteristics of Plain and Plateaus	
15 to 30 June Summer vacation					
July	Physical features of India	4- Indian Desert 5- Coastal Plains	4- To tell them about the Indian Desert and coastal plains		

October	Climate	1.Introduction of climate, weather 2- Climatic controls- Latitude, altitude, pressure and wind system	1- To educate them about the difference in weather and climate 2- To make them aware of major controls of the climate	1.Showing them videos to create more curiosity amongst them	1- Students are understanding the India's climate 2- They will be learning about the factors affecting the climate of India
November	Climate	1. Four seasons- Hot, Cold, Advancing Retreating 2. Monsoon as a unifying bond	1.To make them understand about the role of monsoon in binding the whole country together	1.Putting questions from them about the effect of various seasons in different parts of our country	1.They will learn about the importance of water that how it helps to make our country food secured
December	Natural Vegetation and wildlife	1.Introduction of chapter 2.Factors affecting responsible for diversity in flora and fauna	1.To make them aware about the relevance of natural vegetation and wildlife	1.Map pointing to show types of forests in our country	1. They come to know about the role of natural factors involved in the support of flora and fauna
January	Natural Vegetation and wildlife	1.Types of vegetation 2.Threats to our environment 3.Strategies to save them	1.To make them understand about the features of all types of vegetation	1.Organizing online quiz 2.Sharing you tube links	1.They come to know about the importance of resources in our lives.
February	Revision				
March	Exams				

PUNJABI

ਪਾਠ ਪੁਸਤਕਾਂ- ਸਾਹਿਤਕ ਕਿਰਨਾਂ-I, ਸਾਹਿਤਕ ਰੰਗ-I

Month	Topic	Objective	Outcomes	Online Activities/ Art Integrated Project
April	ਬਾਬਾ ਫ਼ਰੀਦ (ਸ਼ਲੋਕ), ਕਿਰਿਆ, ਅਣਡਿੱਠੀ ਵਾਰਤਕ, ਚਿੱਤਰ(ਫੋਟੋ/ ਦ੍ਰਿਸ਼) ਦੇ ਅਧਾਰ 'ਤੇ ਵਰਣਨ	ਸੂਫੀ ਕਵੀਆਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦੇਣਾ, ਭਾਸ਼ਾਈ ਪਕੜ ਮਜ਼ਬੂਤ ਕਰਨਾ, ਸੋਚਣ ਸ਼ਕਤੀ ਵਿਚ ਵਾਧਾ ਕਰਨਾ	ਪੰਜਾਬੀ ਕਵੀਆਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਪ੍ਰਾਪਤ ਕੀਤੀ, ਭਾਸ਼ਾਈ ਪਕੜ ਮਜ਼ਬੂਤ, ਸੋਚਣ ਸ਼ਕਤੀ ਵਿਚ ਵਾਧਾ	ਸ਼ਲੋਕਾਂ ਦਾ ਉਚਾਰਨ
May	ਇੱਕ ਸਧਾਰਨ ਆਦਮੀ, ਸਮਾਂ (ਭਾਈ ਵੀਰ ਸਿੰਘ) ਵਿਰੋਧੀ ਸ਼ਬਦ, ਮੁਹਾਵਰੇ	ਸੋਚਣ ਸ਼ਕਤੀ ਵਿਚ ਵਾਧਾ ਕਰਨਾ, ਸ਼ਬਦ ਭੰਡਾਰ ਵਿਚ ਵਾਧਾ ਕਰਨਾ, ਸਮੇਂ ਦਾ ਪਾਬੰਦ ਬਣਾਉਣਾ	ਸੋਚਣ ਸ਼ਕਤੀ ਦਾ ਘੇਰਾ ਵਿਸ਼ਾਲ, ਸ਼ਬਦ ਭੰਡਾਰ ਵਿਚ ਵਾਧਾ, ਸਮੇਂ ਦੇ ਪਾਬੰਦ	ਕਵਿਤਾ ਪਾਠ
June	ਕਬੱਡੀ, ਅਣਡਿੱਠਾ ਕਾਵਿ ਟੁਕੜਾ, ਪੱਤਰ	ਖੇਡਾਂ ਵਿਚ ਰੁਚੀ ਪੈਦਾ ਕਰਨਾ, ਸਿਰਜਣ ਸ਼ਕਤੀ ਵਿਚ ਵਾਧਾ ਕਰਨਾ	ਪੇਂਟੂ ਖੇਡਾਂ ਵਿਚ ਰੁਚੀ ਵਧੀ, ਸਿਰਜਣ ਸ਼ਕਤੀ ਵਿਚ ਵਾਧਾ	ਪੰਜਾਬ ਦੀਆਂ ਪੇਂਟੂ ਖੇਡਾਂ ਬਾਰੇ ਚਰਚਾ
July	ਸਿੰਮਲ ਰੁਖੁ ਸਰਾਇਰਾ (ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਜੀ), ਦੁੱਧ ਤੇ ਪੁੱਤ,	ਗੁਰੂਆਂ ਬਾਰੇ ਜਾਣਕਾਰੀ ਦੇਣਾ, ਚੰਗੇ ਕਰਮਾਂ ਵੱਲ ਪ੍ਰੀਤ ਕਰਨਾ, ਭਾਸ਼ਾਈ ਗਿਆਨ ਵਿਚ ਵਾਧਾ ਕਰਨਾ ਸੋਚਣ ਸ਼ਕਤੀ ਵਿਚ ਵਾਧਾ	ਚੰਗੇ ਕਰਮਾਂ ਵੱਲ ਪ੍ਰੇਰਨਾ, ਭਾਸ਼ਾਈ ਗਿਆਨ ਵਿਚ ਵਾਧਾ, ਸੋਚਣ ਸ਼ਕਤੀ ਵਿਚ ਵਾਧਾ	ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਜੀ ਦੇ ਜੀਵਨ ਨਾਲ ਸੰਬੰਧਤ ਘਟਨਾਵਾਂ ਬਾਰੇ ਚਰਚਾ
August	ਕਰਤਾਰ ਸਿੰਘ ਸਰਾਭਾ, ਸ਼ਬਦ- ਸੁੱਧੀ, ਮੈਂ ਪੰਜਾਬੀ ਪੰਜਾਬੀ ਪੰਜਾਬ ਦਾ ਰਹਿਣ ਵਾਲਾ	ਦੇਸ਼ ਭਗਤਾਂ ਤੋਂ ਜਾਣੂ ਕਰਾਉਣਾ, ਭਾਸ਼ਾ ਵਿਚ ਨਿਖਾਰ, ਸਾਹਿਤ ਪ੍ਰਤਿ ਰੁਚੀ ਪੈਦਾ ਕਰਨਾ	ਦੇਸ਼ ਭਗਤੀ ਦੀ ਪ੍ਰੇਰਨਾ, ਭਾਸ਼ਾ ਵਿਚ ਨਿਖਾਰ, ਸਾਹਿਤ ਵਿਚ ਰੁਚੀ ਵਧੀ	ਦੇਸ਼ ਭਗਤਾਂ ਦੇ ਜੀਵਨ ਬਾਰੇ ਚਰਚਾ
September	Revision and Online Terminal			
October	ਕਿਰਤ ਦਾ ਸਤਿਕਾਰ, ਲੇਖ ਰਚਨਾ	ਕਿਰਤ ਦਾ ਸਤਿਕਾਰ ਕਰਨ ਲਈ ਪ੍ਰੇਰਨਾ, ਭਾਸ਼ਾਈ ਪਕੜ ਮਜ਼ਬੂਤ ਕਰਨਾ	ਕਿਰਤ ਪ੍ਰਤਿ ਸਤਿਕਾਰ, ਸ਼ਬਦ ਭੰਡਾਰ ਵਿਚ ਵਾਧਾ	ਰੋਲ- ਪਲੇਅ
November	ਅਣਡਿੱਠੀ ਵਾਰਤਕ ਅਤੇ ਦੁਹਰਾਈ			
December	Offline Terminal Exams			
January	ਪੰਜਾਬੀ ਵਿਰਸਾ, ਪੁਲਾੜ ਦੀ ਪਰੀ- ਕਲਪਨਾ ਚਾਵਲਾ	ਵਿਗਿਆਨ ਵਿਚ ਰੁਚੀ ਪੈਦਾ ਕਰਨਾ, ਮਹਾਨ ਕਾਰਜਾਂ ਲਈ ਪ੍ਰੇਰਨਾ	ਵਿਗਿਆਨ ਵਿਚ ਵਧੇਰੇ ਰੁਝਾਨ, ਸੋਚ ਸ਼ਕਤੀ ਵਿਚ ਵਾਧਾ	ਵੱਖ-ਵੱਖ ਵਿਗਿਆਨੀਆਂ ਬਾਰੇ ਚਰਚਾ
February & March	Revision Final Exams			

कक्षा नौवीं
विषय हिंदी
पाठ्यक्रम योजना(2020-21)

Book Name: Sparsh & Sanchyan

माह	विशय	उपविशय	अधिगम उद्येष्ठ	ऑनलाइन गतिविधियाँ	अधिगम संप्राप्ति
अप्रैल	1 दुख का अधिकार 2 षब्द व पद 3 अनुस्वार, अनुनासिक	1.पाठ का पठन तथा कठिन षब्दों के अर्थ-स्पष्टीकरण 2.परिभाषा व उसके भेद 3.व्याकरण की विभिन्न कोटियों का स्पष्टीकरण	1.समाज में फेले अंधविश्वास के साथ-साथ दोहरी मानसिकता को भी उजागर करना। 2. शब्द व पद का पूर्ण ज्ञान, उसके भेदों का ज्ञान। 3.अनुस्वार, अनुनासिक, भिन्न रूपों का ज्ञान	1.आधुनिक व पुरातन जीवन-शैली पर आधारित वाद-विवाद 2.बहुविकल्पी प्रश्नोत्तर 3.बहुविकल्पी प्रश्नोत्तर	1.समाज में फैली कुरीतियों से परिचित करवाया। 2. पद-परिचय,शब्द व पद में अंतर करने में सक्षम हुए। 3.अनुस्वार, अनुनासिक, भिन्न रूपों से परिचित हुए।
मई	1 तुम कब जाओगे अतिथि 2 एवरेस्ट मेरी शिखर यात्रा 3खूषबू रचते हैं हाथ	1.पाठ का पठन तथा कठिन षब्दों के अर्थ-स्पष्टीकरण 2. पाठ का पठन तथा कठिन षब्दों के अर्थ- स्पष्टीकरण 3.कविता की व्याख्या तथा भावार्थ स्पष्टीकरण	1.बिना सूचना दिए किसी के घर जाना मेज़बान पर कितना भारी पड़ सकता है। 2.बचेंद्री पाल एवरेस्ट की चोटी पर पहुँचने में दुर्गम क्षेत्र की प्राकृतिक आपदाओं से परिचित करवाना। 3. समाज में व्याप्त समस्याओं से परिचित करवाना	1.मीडिया के महत्त्व परिचित करवाते हुए साक्षात्कार गतिविधि 2.बचेंद्री के जीवन का किसी घटना पर आधारित श्रवण- वाचन गतिविधि 3. अपने बारे में कुछ बताते हुए कविता को अपने दैनिक जीवन के संदर्भ में जोड़कर देखने तथा अपने अनुभव सांझे करने की श्रवण- वाचन गतिविधि	1.समाज की इस समस्या को हास-परिहास तथा चुटीली मुहावरेदार भाषा से परिचित हुए। 2.लेखिका की आरोहण क्षमता के साथ-साथ पारस्परिक सहयोग की भावना से परिचित कराया। 3. समाज में फैली कुरीतियों व भेदभाव से परिचित करवाया।
जून	1 रैदास के पद 2 हामिद खां 3.अनौपचारिक-पत्र	1.पाठ का पठन तथा कठिन षब्दों के अर्थ-स्पष्टीकरण 2.पाठ का पठन तथा कठिन षब्दों के अर्थ-स्पष्टीकरण 3.परिचय, प्रारूप पत्र लेखन	1.प्रभु की आराधना तथा एक भक्त की चरम भक्ति को दर्शाना। 2.बदलते समय के साथ पीढ़ी दर पीढ़ी परिवेष में आए हुए परिवर्तनों से अवगत करवाना 3. अनौपचारिक पत्र से परिचय ,प्रारूप का ज्ञान ,पत्र लेखन की क्षमता	1 कला-एकीकृत परियोजना 2 मालाबार पुराने स्वरूप का अध्ययन कर कुछ मुख्य बिंदुओं पर एक अनुच्छेद लिखें, 3. पत्र के प्रारूप को दर्शाती एक स्लाइड तैयार की जाएगी।	1पदों की मूल विशेषताओं से परिचित करवाया गया। 2. मालाबार की ऐतिहासिक जानकारी प्राप्त हुई 3. पत्र लेखन में निपुणता, प्रारूप की समझ

<p>जुलाई</p>	<p>1 उपसर्ग-प्रत्यय</p> <p>2 अनुच्छेद-लेखन</p> <p>3.शब्द विचार श्रुतिसमभिन्नार्थक शब्द, पर्यायवाची, विलोम</p>	<p>1. संस्कृत और हिंदी के उपसर्ग कृत प्रत्यय तद्धित प्रत्यय</p> <p>2.निश्चित विषय पर लिखित भावाभिव्यक्ति</p> <p>3 व्याकरण आधारित व पाठाधारित</p>	<p>1. उपसर्ग एवं प्रत्यय से शब्दों का नव निर्माण शब्द भंडार में वृद्धि मूल शब्दों की पहचान,नव शब्द निर्माण की क्षमता, मूल शब्दों की पहचान2. निबंध और अनुच्छेद में अंतर को समझाना। विषय विशेष पर लेखन की क्षमता का संवर्धन, विचारों को बिंदुओं में पिरोकर स्तरीय भाषा में प्रभावी प्रस्तुतिकरण, वाक्य संरचना, मुहावरों, वाक्यांशों के प्रयोग का ज्ञान</p> <p>3. षब्द भंडार में वृद्धि, एक ही अर्थ के विभिन्न षब्दों से परिचय, भाषा प्रयोग में सौंदर्य पक्ष का पुष्ट करना</p>	<p>1. चयनित उपसर्ग एवं प्रत्यय से नव शब्द निर्माण कर उन्हें एक अनुच्छेद में प्रयुक्त करना तथा उन शब्दों को रेखांकित कर उनके मूल शब्दों को अंकित करके एक वर्ड फाइल कृति देव में तैयार करना</p> <p>2.विषय विशेष पर चर्चा से विषय उत्थान, विषय प्रस्तुतिकरण के लिए छात्रों को मौखिक प्रस्तुति के लिए कहना षब्द भंडार के विशेष रूपों का प्रयोग आवष्यक करनालॉकडाउन विषय पर अनुच्छेद वाचन</p> <p>3. स्मार्ट बोर्ड के माध्यम से पर्यायवाची षब्दों का अभ्यास, इंटरनेट से अतिरिक्त षब्दों को ढूंढना जो कि पुस्तक में नहीं हैं</p>	<p>मूल शब्दों से भलीभांति परिचय नवीन शब्द निर्माण में निपुणता</p> <p>2. विषय विशेष पर लेखन में उपलब्धि, वाक्यांशों, मुहावरों, पर्यायवाची, आदि षब्दों का प्रयोग, अनुच्छेद लेखन में प्रभावी प्रयोग में सक्षमता, अनुच्छेद प्रस्तुतिकरण में उपलब्धि</p> <p>3. बालक के षब्द भंडार में प्रचुरता, एक ही षब्द के लिए अनेक षब्दों का ज्ञान होने से भाषायी सौंदर्य में वृद्धि से भाषा स्तर में श्रेष्ठता</p>
<p>अगस्त</p>	<p>1 गिल्लू</p> <p>2. नारा-लेखन</p> <p>3. स्मृति</p>	<p>1 पाठ का पठन तथा कठिन षब्दों के अर्थ-स्पष्टिकरण</p> <p>2.परिचय, प्रारूप पत्र लेखन</p> <p>3.पाठ का पठन तथा कठिन षब्दों के अर्थ-स्पष्टिकरण</p>	<p>1. पशु-पक्षियों को मुक्त एवं आत्मीयता देकर इनका स्वाभाविक विकास करना।</p> <p>2 विशेष-विषय पर शैली में लिखना।</p> <p>3.बच्चों का क्रियाकलाप उन्हें किन जोखिमों तक पहुँचा सकता है।</p>	<p>1. अपने दैनिक जीवन के संदर्भ में जोड़कर देखने तथा अपने अनुभव सांझे करने की श्रवण- वाचन गतिविधि</p> <p>2 अंत्याक्षरी</p> <p>3 अपने अनुभव सांझे करने की श्रवण- वाचन गतिविधि</p>	<p>1. वन्य-संरक्षण के लिए प्रोत्साहित हुए</p> <p>2.नारा-लेखन में सक्षम हुए</p> <p>3.हर क्रियाकलाप से पहले उस पर गहन चिंतन करना चाहिए।</p>
<p>सितंबर</p>	<p>ऑनलाइन कालांतर परीक्षा</p>				

अक्तूबर	<p>1.एक फूल की चाह</p> <p>2.संवाद-लेखन</p> <p>3.अपठित गद्यांश</p>	<p>1 कविता की व्याख्या तथा भावार्थ स्पष्टीकरण</p> <p>2.परिचय, उद्देश्य एवं प्रारूप, रचना</p> <p>3. रचनात्मक कौशल का विकास करना,</p>	<p>1.समाज में व्याप्त छूआछूत को समस्या से परिचित</p> <p>2 विशेष-विषय पर प्रश्नोत्तर शैली में लिखना।</p> <p>3.विद्यार्थियों की अबोध क्षमता को परखना।</p>	<p>1.बहुविकल्पी प्रश्नोत्तर</p> <p>2 दो-दो छात्रों की बातचीत को संवाद के रूप में दर्शाने की गतिविधि</p> <p>3 किसी अनुच्छेद को वर्ल्ड फाइल में टाइप करना और उससे संबंधित प्रश्नोत्तरी को हल करना</p>	<p>1.सकारात्मक सोच, जो न्यायपूर्ण हो, से प्रेरित हुए।</p> <p>2 बातचीत का लिखित रूप ही 'संवाद-लेखन' है, से परिचित हुए।</p> <p>3.गद्यांश के मूल भाव को गहनता से अध्ययन करना अत्यंत आवश्यक है।</p>
नवम्बर	<p>1.धर्म की आड़</p> <p>2. आदमीनामा</p> <p>3.अर्थ की दृष्टि से वाक्य</p>	<p>1.पाठ का पठन तथा कठिन शब्दों के अर्थ-स्पष्टीकरण</p> <p>2. कविता की व्याख्या तथा भावार्थ स्पष्टीकरण</p> <p>3.वाक्य रचना,वाक्य के अंग ,भेदों, अन्विति, वाक्य शुद्धि</p>	<p>1. धर्म की आड़ में छिपे लोगों की फितरत की पहचान करवाना</p> <p>2.आदमी के वास्तविक रूप की पहचान करवाना</p> <p>3.वाक्य की रचना,वाक्य के भेदों से परिचय, अन्विति एवं शुद्धि का ज्ञान।</p>	<p>1.धर्म की आड़ विशय पर वाद-विवाद</p> <p>2.गजल लेखन</p> <p>3.शुद्ध वाक्य लिखने की क्षमता ,वाक्य के अंगों का ज्ञान ,अन्विति संबंधी ज्ञान।</p>	<p>1.धर्म के वास्तविक मायनों से रूबरू हुए।</p> <p>2. महान व्यक्तियों का उदाहरण देकर मनुष्यता का महत्त्व स्पष्ट हुआ।</p> <p>3.अशुद्ध वाक्यों को शुद्ध करते हुए विद्यार्थी एक पीपीटी का निर्माण करें एवं वाक्य के अंगों को रेखांकित करेंगे।</p>
दिसम्बर	ऑफलाइन कालांतर परीक्षा				
जनवरी	<p>1.रहीम के दोहे</p> <p>2.दिए जल उठे</p> <p>3.संदेश लेखन</p>	<p>1. पदों की व्याख्या तथा भावार्थ स्पष्टीकरण</p> <p>2. पाठ का पठन तथा कठिन शब्दों के अर्थ- स्पष्टीकरण</p> <p>3. परिचय, उद्देश्य एवं प्रारूप, रचना</p>	<p>1. रहीम के दोहे आम जीवन से उठाए गए उदाहरणों के साथ नीतिपरक मूल्यों से परिचित करवाना।</p> <p>2. महात्मा गांधी जी के द्वारा चलाए गए विषेश आंदोलनों का परिचय देना</p> <p>3. संरचनात्मक अभिव्यक्ति की क्षमता, संदेश लेखन के प्रारूप एवं निर्माण कुशलता का विकास</p>	<p>1. पदों का लयात्मक गायन</p> <p>2.महात्मा गांधी जी के जीवन का किसी घटना पर आधारित श्रवण- वाचन गतिविधि</p> <p>3. विभिन्न विषयों पर संदेश लेखन बनाकर विद्यार्थी उसे एक पीपीटी में अंकित</p>	<p>1. मानव समाज की सच्चाई एवं अच्छाई की ओर प्रेरित हुए।</p> <p>2. महात्मा गांधी जी के जीवन के महत्वपूर्ण तथ्यों के साथ-साथ पारस्परिक सहयोग की भावना से परिचित कराया।</p> <p>3. संदेश लेखन निर्माण में कुशलता, पुष्ट अभिव्यक्ति</p>
फरवरी	पूर्व पाठ्यक्रम- दोहराई				
मार्च	कालांतर परीक्षा				

Retail Operations

Book name: Retail Management &
Employability Skills

Month	Name of the chapter.	Subtopics	Learning objectives	Online Activity/ Art Integrated Activities	Learning outcomes.
April.	Introduction to retailing.	Basis of retailing. Essential requirement of retailers. Retailers services to the consumers.	Understand the basic concept of retailing. It's important function and duties of retailer. towards customers. Upgrade the market sector.	Relate the concept of retailing. With the journalise. Concepts like sales. And feedback.	Understand the basic concept of retailing. Basic market condition. Exist in the society
May		Organised and unorganised Retailing. Differentiate between organised and unorganised retailing.	Describe the importance of different sectors of retailing. Importance and types. For their Existence and customer benefits.	State the examples of organised and unorganised retailing in the society.	Judgement of the various sectors of retailing.
		Store and non store retailing. Types of store and non store retailing. Differentiate between store and non store retailing	Fulfil the requirement of different levels in the marketing sector. Customers get attracted with the active programme of different stores like advertising and promotion.	Mention the names of various stores and non store retailing sectors.	Easily assessing bottoms of Store and. non store retailing.
June		Indian and global retailers. Differentiate between Indian and global retailers?	General duties and responsibilities of Indian and global retailers. Different type of Indian and global retailers.	List out the names of Indian and global retailers.	Describing understand the importance of Indian and global retailers in the marketing sector. To put the. Navy
July	Receiving and storage of goods.	Classification of goods.	Meaning of goods. Types of goods and the right usage of the goods for the satisfaction of the customers.	Name the various kinds of goods available for daily use. In the lives of the customers.	Be acquainted towards the importance of goods.
		Procedure for receiving and dispatching stock to stores.	Introduction. Procedure required for receiving goods. Procedure required for dispatching of goods.	Notify the fundamental duties of receiving and dispatching of goods.	Importance of receiving and dispatching of goods to the different areas for the satisfaction of

			Refusal. Procedure for goods.		the consumers.
August		Storage of goods in retail.	Meaning of storage. Need of storage. Techniques of storage goods. Innovative storage methods.	Discuss the Importance of storage in the stores.	Clarify the idea of storage at every level of store departments and various malls.
		Procedure of goods handling.	Material Handling activities. Potential hazards to the workers.	Ask the process of handling goods in various stores.	Was handling increases the sales and profit Of the retailers.
	Stock level in storage.	Stock level in retail stores.	Understand the meaning of different types of stock levels.	Tell the students to visit the store and ask about the stock level work.	Importance of stock levels can be known.
		Documents required for stock. Handling.	Grabbing information about the documents required for the stocking of goods.	Why are documents required?	Generate the report of documents required in the store.
		Reporting storage space.	What is the importance of storage space in stores?	Identify the ways which initiated the space effectively.	Right, productive right place.
		Handling equipments.	Meaning of various types of equipments used for storage of goods like pallets, crane and forklifts.	Ask the students to see the working of various equipments and report to the teacher.	Understand the importance of various equipments in the store.
September	Revision and online terminal.				
October	Customer service.	Customer needs and services.	Generate the information about the customer service and its Role in retail	Make a list of customer gestures and body language.	realise the advantages of customer service?
		Effective customer service.	Understand the effective ways to build customer Rapport.	Are the customer satisfied or not?	Pinpoint the various ways of effective customer service.
		Organisation standards	Meaning of standards related to appearance and dresses.	Find out the report list which influence the customers.	How standards reflect the mind of customers?
		Customer expectations.	Meaning of customer expectations. From retailers for Good bond.	Make a list of customers different expectations.	Formulate ways of different customers. Services
	Communication skills.	Intro to communication verbal and non verbal	Discuss the meaning of communication and differentiate between verbal and	Make a chart on communication cycle.	Clarify the meaning of communication skills.

		communication.	non verbal communication.		
November		. Writing skills.	Understand the importance of sentence making process.	Example generate by teacher and students and communicate well.	Knowledgeable towards the various words and sentences.
		Greeting and intro.	Importance of greetings in life.	Tell the students to greet everyone.	Develop the habit of greeting.
	Revision.				
December	Self management skills.	Intro to self management strength and weaknesses.	Meaning of stress and how to manage it.	How it is helpful in attaining Joy and happiness.	Generate the ways to be happy.
		Self-confidence	Importance of Self-confidence with its meaning.	Generate the habit of speaking skills in front of group.	Raise confidence and boost morale.
		Positive thinking.	Meaning of positive thinking and its role in general life.	Be positive and express your ideas and feelings in a positive way.	Develop the habit of positive thinking.
		Personal hygiene and grooming.	Meaning and role of personal hygiene and grooming in life skills.	Tell them to make a list of personal hygiene and grooming.	Be optimistic and enthusiastic in life.
	Information and communication technology skills.	ICT and and its tools.	Meaning of information, communication and technology and tools in operating computers.	Practical work will be assigned.	How to operate the computer as well?
January.		Basic computer operations and networking.	Guide them to operate various computer programmes.	Rotate the paragraph and tell them to find mistakes.	Well, manage the computer programme.
		Communication and networking.	Meaning of communication in relation to networking.	Tell them to perform various work programmes through networking.	Grab it. Networking with practical approach.
	Entrepreneurship skills.	Meaning and its role.	Understand the meaning entrepreneurship and its benefits to society.	Write a few points of Entrepreneurship	Benefits of entrepreneurship to the society.
		Qualities of entrepreneurship	It needs to formulate benefits of entrepreneurship to the society.	Pinpoint qualities and functions towards the society.	Get the knowledge of Entrepreneurship.
		Entrepreneurship development	Meaning of development process.	Make a list of development	How Skill fully entrepreneurship

		process.		process.	works in society.
February.	Green skills.	Society and environment.	Understand the green skills and its importance to society and environment.	Tell them to make a list of various skills related to environment.	Aware towards the development of green skills.
		Conserving natural resources and sustainable development.	Aware towards the quality education clean water and sanitation.	List of the things damaged the environment.	Importance of education and natural sources towards sustainable development.
	Revision				
March.	Final exams.				