

# ANNUAL PEDAGOGICAL PLAN

SESSION 2023-24

STD-IX

**Mathematics Curriculum Plan (Session: 2023-2024) STD IX**

Month/ Topic	Sub Topic	Miscellaneous
<b>PRIL</b>  <b>L-2</b> <b>Polynomials</b>	1. Introduction by recalling previous knowledge of algebraic Expressions and its type. 2. Definition of a polynomial in one variable, with examples and counter examples. Coefficients of a polynomial, terms of a polynomial and zero polynomial. 3. Degree of a polynomial. Constant, linear, quadratic and cubic polynomials. Monomials, binomials, trinomials. 4. Value of polynomial Zeros of a polynomials with examples 5.. Motivate and State the Remainder Theorem with examples. 6. Division Algorithm and its verification by Long Division method 7. Statement and uses of the Factor Theorem. Factorization of $ax^2 + bx + c$ , $a \neq 0$ where $a$ , $b$ and $c$ are real numbers, and of cubic polynomials using the Factor Theorem. 8. .Recall of algebraic expressions and identities. Verification of identities: $(x + y + z)^2 = x^2 + y^2 + z^2 + 2xy + 2yz + 2zx$ , $(x \pm y)^3 = x^3 \pm y^3 \pm 3xy(x \pm y)$ , $x^3 - y^3 = (x - y)(x^2 + xy + y^2)$ , $x^3 + y^3 = (x + y)(x^2 - xy + y^2)$ $x^3 + y^3 + z^3 - 3xyz = (x + y + z)(x^2 + y^2 + z^2 - xy - yz - zx)$ and their use in factorization of polynomials.	<ul style="list-style-type: none"> <li>• Lab Activity               <ol style="list-style-type: none"> <li>1. Demonstration of Identity <math>a^2 - b^2 = (a + b)(a - b)</math></li> <li>2. To verify number of zeros of quadratic and cubic polynomials by graphical method</li> </ol> </li> <li>• Worksheet               <ul style="list-style-type: none"> <li>○ Polynomials</li> </ul> </li> <li>• Discussion of Scoring Points/ Marking Scheme/Sample Questions</li> </ul>
<b>APRIL</b>  <b>L- 12</b> <b>Heron's Formula</b>	1. Introduction to the topic 2. Area of a triangle using $\frac{1}{2} b \times h$ 3. Area of an equilateral triangle using formula $\frac{\sqrt{3}}{4} a^2$ 4. Area of a triangle using Heron's formula (without proof) and its application in finding the area of a Quadrilaterals	<ul style="list-style-type: none"> <li>• Assignment               <ul style="list-style-type: none"> <li>○ Areas</li> </ul> </li> <li>• Discussion of Scoring Points/ Marking Scheme/Sample Questions</li> </ul>
<b>JUNE</b>  <b>L- 15</b> <b>Topic:</b> <b>Probability</b>	1. History, Repeated experiments and observed frequency approach to probability. 2. Focus is on empirical probability. (A large amount of time to be devoted to group and to individual activities to motivate the concept; the experiments to be drawn from real – life situations, and from examples used in the chapter on statistics).	<ul style="list-style-type: none"> <li>□ Assignment               <ul style="list-style-type: none"> <li>○ Probability</li> </ul> </li> <li>Discussion of Scoring Points/ Marking Scheme/Sample Questions</li> </ul>

<p><b>JUNE</b> <b>L- 6</b> <b>Topic:</b> Lines and Angles</p>	<ol style="list-style-type: none"> <li>1. (Motivate) If a ray stands on a line, then the sum of the two adjacent angles so formed is <math>180^\circ</math> and the converse.</li> <li>2. (Prove) If two lines intersect, vertically opposite angles are equal.</li> <li>3. (Motivate) Results on corresponding angles, alternate angles, interior angles when a transversal intersects two parallel lines.</li> <li>4. (Motivate) Lines which are parallel to a given line are parallel.</li> <li>5. (Prove) The sum of the angles of a triangle is <math>180^\circ</math>.</li> </ol> <p>(Motivate) If a side of a triangle is produced, the exterior angle so formed is equal to the sum of the two interior opposite angles.</p>	<ul style="list-style-type: none"> <li>• Assignment <ul style="list-style-type: none"> <li>○ Lines and Angles</li> </ul> </li> </ul> <p>Discussion of Scoring Points/ Marking Scheme/Sample Questions</p>
<p><b>JULY</b></p>	<p>PERIODIC TEST – 1      CHAPTER – 2,6,12</p>	
<p><b>JULY</b> <b>Topic:</b> Real Number</p>	<ol style="list-style-type: none"> <li>1. Review of representation of natural numbers, integers, rational numbers on the number line. Representation of terminating / non-terminating recurring decimals on the number line through successive magnification. Rational numbers as recurring/ terminating decimals. Operations on real numbers.</li> <li>2. Examples of non-recurring/non-terminating decimals. Existence of non-rational numbers (irrational numbers) such as <math>\sqrt{2}</math>, <math>\sqrt{3}</math> and their representation on the number line. Explaining that every real number is represented by a unique point on the number line and conversely, viz. every point on the number line represents a unique real number.</li> <li>3. Definition of nth root of a real number.</li> <li>4. Rationalization (with precise meaning) of real numbers</li> <li>5. Recall of laws of exponents with integral powers. Rational exponents with positive real bases (to be done by particular cases, allowing learner to arrive at the general laws.)</li> </ol>	<ul style="list-style-type: none"> <li>• Lab Activity <ul style="list-style-type: none"> <li>○ Construct a square root spiral and linear.</li> <li>○ Quiz on rational and irrational numbers</li> </ul> </li> <li>• Assignment <ul style="list-style-type: none"> <li>○ Number System</li> </ul> </li> </ul> <p>Discussion of Scoring Points/ Marking Scheme/Sample Questions</p>
<p><b>AUGUST</b> <b>L- 5</b> <b>Topic:</b> Introduction to Euclid's Geometry</p>	<ol style="list-style-type: none"> <li>1. History - Geometry in India and Euclid's geometry.</li> <li>2. Euclid's method of formalizing observed phenomenon into rigorous Mathematics with definitions, common/obvious notions, axioms/ postulates and theorems.</li> <li>3. The five postulates of Euclid. Equivalent versions of the fifth postulate. Showing the relationship between axiom and theorem, for example: (Axiom) 1. Given two distinct points, there exists one and only one line through them. (Theorem) 2. (Prove) Two distinct lines cannot have more than one point in common.</li> </ol>	<ul style="list-style-type: none"> <li>• Lab Activity Euclid's Fifth Postulate</li> <li>• Assignment <ul style="list-style-type: none"> <li>○ Introduction to Euclid's Geometry</li> </ul> </li> <li>• Discussion of Scoring Points/ Marking Scheme/Sample Questions</li> </ul>

<b>AUGUST</b> <b>L - 7</b> <b>Topic:</b> Triangles	<ol style="list-style-type: none"> <li>1. Two triangles are congruent if any two sides and the included angle of one triangle is equal to any two sides and the included angle of the other triangle (SAS Congruence).</li> <li>2. Two triangles are congruent if any two angles and the included side of one triangle is equal to any two angles and the included side of the other triangle (ASA Congruence).</li> <li>3. Two triangles are congruent if the three sides of one triangle are equal to three sides of the other triangle (SSS Congruence).</li> <li>4. Two right triangles are congruent if the hypotenuse and a side of one triangle are equal (respectively) to the hypotenuse and a side of the other triangle. (RHS Congruence)</li> <li>5. (Prove) The angles opposite to equal sides of a triangle are equal.</li> <li>6. (Prove) The sides opposite to equal angles of a triangle are equal.</li> <li>7. (Prove) The side opposite to larger angle is longer</li> <li>8. (Prove) The angle opposite to longer side is larger</li> <li>9. (Prove) The sum of any two sides is more than third side</li> </ol>	<ul style="list-style-type: none"> <li>□ Assignment <ul style="list-style-type: none"> <li>○ Triangles</li> </ul> </li> </ul> Discussion of Scoring Points/ Marking Scheme/Sample Questions
<b>SEPTEMBER</b> <b>L -- 4</b> <b>Topic:</b> Linear equations in two variables	Recall of linear equations in one variable. Introduction to the equation in two variables. Focus on linear equations of the type $ax+by+c=0$ . Explain that a linear equation in two variables has infinitely many solutions and justify their being written as ordered pairs of real numbers, plotting them and showing that they lie on a line. Graph of linear equations in two variables. Examples, problems from real life, including problems on Ratio and Proportion and with algebraic and graphical solutions being done simultaneously.	<ul style="list-style-type: none"> <li>● Lab Activity <ul style="list-style-type: none"> <li>○ Verify that two lines intersect each other at unique point</li> </ul> </li> <li>● Assignment <ul style="list-style-type: none"> <li>○ Worksheet</li> </ul> </li> <li>● Discussion of Scoring Points/ Marking Scheme/Sample Questions</li> </ul>
<b>SEPTEMBER</b>	TERM- 1 Chapter-1,2,4,5,6,7 ,12 & 15	
<b>OCTOBER</b> <b>L - 8</b> <b>Topic:</b> Quadrilaterals	<ol style="list-style-type: none"> <li>1. (Prove) The diagonal divides a parallelogram into two congruent triangles.</li> <li>2. In a parallelogram opposite sides are equal, and conversely.</li> <li>3. In a parallelogram opposite angles are equal, and conversely.</li> <li>4. (Prove) A quadrilateral is a parallelogram if a pair of its opposite sides is parallel and equal.</li> <li>5. In a parallelogram, the diagonals bisect each other and conversely.</li> <li>6. (Prove) In a triangle, the line segment joining the mid points of any two sides is parallel to the third side and in half of it and (motivate) its converse.</li> </ol>	<ul style="list-style-type: none"> <li>● Assignment <ul style="list-style-type: none"> <li>- Midpoint Theorem</li> <li>- Figure formed by joining midpoints of adjacent sides of quadrilateral is a parallelogram</li> </ul> </li> <li>● Discussion of Scoring Points/ Marking Scheme/Sample Questions</li> </ul>

<b>OCTOBER</b> <b>L - 14</b> <b>Topic:</b> Statistics	1. Introduction to Statistics 2. Collection of data, types of data 3. presentation of data — tabular form, ungrouped / grouped 4. Bar graphs, histograms (with varying base lengths), frequency polygons. 5. Mean, median and mode of ungrouped data.	<input type="checkbox"/> Assignment <ul style="list-style-type: none"> <li>○ Statistics</li> </ul> <input type="checkbox"/> Discussion of Scoring Points/ • Marking Scheme/Sample Questions
<b>NOVEMBER</b> <b>L - 3</b> <b>Topic:</b> Coordinate Geometry	1. The Cartesian plane, division of Cartesian plane by X and Y axis 2. Coordinates of a point, names and terms associated with the coordinate plane, notations, 3. Plotting points in the plane.	• Assignment • Coordinate Geometry • To plot the points and to find the area of figure to obtained. Discussion of Scoring Points/ Marking Scheme/Sample Questions
<b>NOVEMBER and December</b> <b>L - 13</b> <b>Topic:</b> Surface Areas and Volumes	1. Surface areas and volumes of cubes, cuboids, 2. Surface areas and volumes of right circular cylinders 3. Surface areas and volumes of cones. 4. Surface areas and volumes of spheres (including hemispheres)	<input type="checkbox"/> Assignment <ul style="list-style-type: none"> <li>○ Surface Areas and Volumes</li> </ul> <input type="checkbox"/> Discussion of Scoring Points/ Marking Scheme/Sample Questions
<b>DECEMBER</b>	REVISION AND PERIODIC TEST – 2 CHAPTER – 3, 8, 13 (only topic 1 & 2) , 14	
<b>January</b> <b>L - 10</b> <b>Topic:</b> <b>Circles</b>	Through examples, arrive at definition of circle and related concepts-radius, circumference, diameter, chord, arc, secant, sector, segment, subtended angle. 1. (Prove) Equal chords of a circle subtend equal angles at the center and (motivate) its converse. 2. (Prove) The perpendicular from the center of a circle to a chord bisects the chord and conversely, the line drawn through the center of a circle to bisect a chord is perpendicular to the chord. 3. (Motivate) There is one and only one circle passing through three given non-collinear points. 4. (Motivate) Equal chords of a circle (or of congruent circles) are equidistant from the center (or their respective centers) and conversely. 5. (Prove) The angle subtended by an arc at the center is double the angle subtended by it at	<input type="checkbox"/> Lab Activity <ul style="list-style-type: none"> <li>○ Verify that angles in the same segment are equal</li> <li>○ Angle subtended by an arc at the centre is half the angle subtended at any point in the remaining part</li> <li>○ Angle in a semicircle is a right angle</li> </ul> <input type="checkbox"/> Assignment <ul style="list-style-type: none"> <li>○ Circles</li> </ul> Discussion of Scoring Points/ Marking Scheme/Sample Questions

	<p>any point on the remaining part of the circle.</p> <p>6. (Prove) Angles in the same segment of a circle are equal.</p> <p>7. (Motivate) If a line segment joining two points subtends equal angle at two other points lying on the same side of the line containing the segment, the four points lie on a circle.</p> <p>(Motivate) The sum of either of the pair of the opposite angles of a cyclic quadrilateral is <math>180^\circ</math> and its converse.</p>	
<p><b>JANUARY</b> <b>L – 9</b> <b>Topic:</b> Area Of Parallelograms</p>	<p><b>Review concept of area, recall area of a rectangle.</b></p> <p>1. (Prove) Parallelograms on the same base and between the same parallels have equal area. (Motivate) Triangles on the same base (or equal bases) and between the same parallels are equal in area.</p>	<ul style="list-style-type: none"> <li>• Lab Activity Two parallelograms on the same base and between same parallels are equal in area</li> <li>• Assignment <ul style="list-style-type: none"> <li>○ Area</li> </ul> </li> <li>• Discussion of Scoring Points/ Marking Scheme/Sample Questions</li> </ul>
<p><b>February</b> <b>L – 11</b> <b>Topic:</b> Constructions</p>	<ol style="list-style-type: none"> <li>1. Construction of bisectors of line segments</li> <li>2. Construction of angles of measure <math>60^\circ</math>, <math>90^\circ</math>, <math>45^\circ</math> etc</li> <li>3. Construction of equilateral triangles.</li> <li>4. Construction of a triangle given its base, sum of the other two sides and one base angle.</li> <li>5. Construction of a triangle given its base difference of the other two sides and one base angle.</li> <li>6. Construction of a triangle of given perimeter and base angles.</li> </ol>	<ul style="list-style-type: none"> <li>• Assignment <ul style="list-style-type: none"> <li>○ Constructions</li> </ul> </li> <li>Discussion of Scoring Points/ Marking Scheme/Sample Questions</li> </ul>
<p><b>MARCH</b></p>	<p>ANNUAL EXAMINATION ALL CHAPTERS BLUEPRINT AS PER THE CBSE GUIDELINES</p>	

**Curriculum Plan of Science**  
**Session (2023-24)**

Month Topic	Sub Topic	Audio Visual Inputs	Concept Maps / Diagrams/ Interdisciplinary Linkages/ Art Integration	Practical	Assignment / Discussion
<b>April Topic:</b> Matter in our surroundings <b>No. of Periods:</b> 12	Definition of matter; solid, liquid and gas; characteristics - shape, volume, density; change of state-melting (absorption of heat), freezing, evaporation, condensation, sublimation.	Videos to show the difference between three states of matter, latent heat of fusion and vaporisation and sublimation process.	<b>Interdisciplinary Linkage:</b> Maths <b>Diagrams:</b> Fig 1.5, 1.6, 1.7, 1.9. (NCERT) <b>Art Integration:</b> Drawing figure of states of matter, conversion of ice to water, (b) conversion of water to water vapour, sublimation of ammonium chloride, interconversion of the three states of matter.	Determination of the melting point of ice and the boiling point of water	1. Assignment on Matter in our surroundings 2. Discussion of Scoring Points/ Marking Scheme/ Sample Questions
<b>June Topic:</b> Is matter around us pure? <b>No. of Periods:</b> 15	Nature of matter: Elements, compounds and mixtures, solution, colloids and suspension, Heterogeneous and Homogeneous mixtures.	Videos to show the difference between mixture and compounds, types of solutions, Various techniques to separate components of a mixture.	<b>Interdisciplinary Linkage:</b> Maths, Life Sciences <b>Diagrams:</b> Fig 2.2, 2.3, 2.5, 2.6, 2.7, 2.8, 2.9, 2.10 (NCERT) <b>Art Integration:</b> Drawing figures of Sublimation, evaporation, chromatography, Fractional distillation.	1. Preparation of a) a true solution of common salt, sugar and alum b) a suspension of soil, chalk powder and fine sand in water c) a colloidal solution of starch in water and egg albumin/milk in water and distinguish between these on the basis of • transparency • filtration criterion • stability 2. Preparation of a) A mixture b) A compound using iron filings and sulphur powder and distinguishing between these on the basis of: (i) appearance, i.e., homogeneity and heterogeneity (ii) behaviour towards a magnet	1. Assignment on Is matter around us pure? 2. Discussion of Scoring Points/ Marking Scheme/ Sample Questions

Month Topic	Sub Topic	Audio Visual Inputs	Concept Maps / Diagrams/ Interdisciplinary Linkages/ Art Integration	Practical	Assignment / Discussion
				(iii) behaviour towards carbon disulphide as solvent (iv) effect of heat 3. Separation of the components of a mixture of sand, common salt and ammonium 4. Perform the following reactions and classify them as physical or chemical changes: a) Iron with copper sulphate solution in water b) Burning of magnesium ribbon in air c) Zinc with dilute sulphuric acid d) Heating of copper sulphate crystals e) Sodium sulphate with barium chloride in the form of their solutions in water	
<b>July &amp; August</b> <b>Topic:</b> Atoms & Molecules <b>No. of Periods:</b> 12	<b>Periodic Test - 1</b>				
	Particle nature, basic units: Atoms and molecules. Law of conservation of mass, Law of constant proportion, atomic and molecular masses. Chemical formulae, ions and their types, atomic mass unit and mole concept, Dalton's Atomic theory. Valency, relationship of mole to mass of the particles and numbers.	Videos to Show the different postulates of Dalton Atomic theory, Law of conservation of mass.	<b>Interdisciplinary Linkage:</b> Maths <b>Diagrams:</b> Fig 3.1, 3.5 (NCERT) <b>Art Integration:</b> Drawing the concept map to understand relationship between mole, Avogadro number and mass.	Verification of the Law of Conservation of mass in a chemical reaction.	1. Assignment on Atoms & Molecules 2. Discussion of Scoring Points/ Marking Scheme/ Sample Questions



Month Topic	Sub Topic	Audio Visual Inputs	Concept Maps / Diagrams/ Interdisciplinary Linkages/ Art Integration	Practical	Assignment / Discussion
<b>September &amp; October</b> <b>Topic:</b> Structure of Atom <b>No. of Periods:</b> 13	Electrons, protons and neutron, Various models of atoms like (a) Thomson's model of atom (b) Rutherford's model of an atom (c) Bohr's model of an atom. Electronic configuration, Valency, atomic number, atomic mass and isobars and isotopes.	Videos to show Various model of atoms like (a) Thomson's model of atom (b) Rutherford's model of an atom (c) Bohr's model of an atom.	<b>Interdisciplinary Linkage:</b> Maths <b>Diagrams:</b> Fig 4.4, 4.2, 4.3, 4.4 (NCERT) <b>Art Integration:</b> Drawing the diagrams of the various atomic models: J.J. Thomson atomic model, Rutherford's Atomic model, Neil Bohr Atomic model.	Discussion of Practical based Question and revision of practicals.	1. Assignment on Structure of Atom 2. Discussion of Scoring Points/ Marking Scheme/ Sample Questions
<b>April</b> <b>Topic:</b> Cell- The fundamental unit of life. <b>No. of Periods:</b> 10	Cell - basic unit of life: prokaryotic and eukaryotic cells, multicellular organisms, cell membrane and cell wall, cell organelles and cell inclusions; chloroplast, mitochondria, vacuoles, endoplasmic reticulum, Golgi apparatus, nucleus, chromosome basic structure, number.	Videos to show the difference between Prokaryotic and eukaryotic cells, difference between plants and animal cell.	<b>Diagrams:</b> Fig 5.1, 5.2, 5.3, 5.4, 5.5, 5.6, 5.7, 5.8 (NCERT) <b>Art Integration:</b> Drawing figures of Compound Microscope, Cells of an onion peel, various cells from the human body, Prokaryotic cell, Animal cell, Plant cell, Mitosis and Meiosis.	1. Preparation of stained temporary mount of (a) onion peel, (b) human cheek cells and to record observations and draw their labelled diagrams.	1. Assignment on Cell - The fundamental unit of life. 2. Discussion of Scoring Points/ Marking Scheme/ Sample Questions
<b>June &amp; July</b> <b>Topic:</b> Tissues <b>No. of Periods:</b> 10	Structure and functions of animal and plant tissues (only four types in animals; Meristematic and Permanent tissues in plants.	Videos to show different types of tissue i.e., simple and complex tissue.	<b>Mind Maps:</b> Concept maps to show the different type of tissues. <b>Diagrams:</b> Fig 6.2, 6.3, 6.4, 6.7, 6.8, 6.9, 6.10, 6.11, 6.12 (NCERT) <b>Art Integration:</b> Drawing the diagrams Neuron, Location of meristematic tissue in plant body, Section of a stem, Various types of simple tissue (Parenchyma, Collenchyma and Sclerenchyma), types of complex tissue, different types of epithelial tissues.	Identification of Parenchyma, collenchyma and Sclerenchyma tissues in plants, striped, smooth and cardiac muscle fibres and nerve cells in animals, from prepared slides. Draw their labelled diagrams.	1. Assignment on Tissues. 2. Discussion of Scoring Points/ Marking Scheme/ Sample Questions

Month Topic	Sub Topic	Audio Visual Inputs	Concept Maps / Diagrams/ Interdisciplinary Linkages/ Art Integration	Practical	Assignment / Discussion
<b>August &amp; September</b> Topic: Diversity in living organisms No. of Periods: 15	Diversity of plants and animals-basic issues in scientific naming, basis of classification. Hierarchy of categories /groups. Major groups of plants (salient features) (Bacteria, Thallophyta, Bryophyta, Pteridophyta, Gymnosperm, Angiosperm). Major group of animals (salient features) (Non-chordates up to phyla and Chordates up to classes.	Video to show five kingdom classification and characteristic s of different Kingdoms.	<b>Interdisciplinary Linkages:</b> Maths <b>Diagrams:</b> Fig 7.1, 7.2, 7.3, 7.4, 7.5, 7.6, 7.7, 7.8, 7.1, 7.12, 7.13, 7.14, 7.15, 7.16, 7.17, 7.18, 7.19, 7.20, 7.27. (NCERT) <b>Art Integration:</b> Drawing figures of Monera, Porifera, Fungi, Five kingdom classification, Thallophyta, Pteridophyta, Gymnosperms, Classification of Plants, Porifera, Coelenterata, Platyhelminthes, Nematoda, Arthropoda, Molluscas, Protochordata.	1.Study of the characteristics of Spirogyra, Agaricus, Moss, Fern, Pinus (either with male or female cone) and an Angiospermic plant. Draw and give two identifying features of the groups they belong to. 2. Observe the given pictures/ charts/ models of earthworm, cockroach, bony fish and bird. For each organism, draw their picture and record: a) one specific feature of its phylum. b) one adaptive feature with reference to its habitat. 3. Study of the external features of root, stem, leaf and flower of monocot and dicot plants.	1. Assignment on Diversity in living organisms. 2. Discussion of Scoring Points/ Marking Scheme/ Sample Questions
<b>April</b> Topic: Motion No. of Periods: 12	Concept of Distance and Displacement, velocity, uniform and non-uniform motion along a straight line, Concept of speed, velocity, acceleration, velocity time graph for uniform motion and uniformly accelerated motion, Derivation of equations of motion, Elementary idea of uniform circular motion.	Videos to show the concept of distance, displacement, uniform and non-uniform motion.	<b>Interdisciplinary Linkages:</b> Maths <b>Diagrams:</b> Fig 8.3, 8.4, 8.5, 8.6, 8.7, 8.8. (NCERT) <b>Art Integration:</b> Drawing graphs to show distance time graph of an object moving with uniform speed, Distance-time graph for a car moving with non-uniform speed, Velocity-time graph for uniform motion, velocity-time graph for a car moving with uniform acceleration, velocity-time graph of an object in a non- uniform acceleration.	Discussion of Practical based Question and revision of practicals.	1. Assignment on Motion. 2. Discussion of Scoring Points/ Marking Scheme/ Sample Questions

Month Topic	Sub Topic	Audio Visual Inputs	Concept Maps / Diagrams/ Interdisciplinary Linkages/ Art Integration	Practical	Assignment / Discussion
<b>June &amp; July Topic:</b> Force and Laws of Motion <b>No. of Periods:</b> 12	Concept of Force and Motion, Newton's Laws of Motion, Concept of Inertia, Mass, Concept of Momentum, Conservation of Momentum, Concept of action and reaction force.	Videos to show the concept of Newton's law of motion, law of conservation of Mass.	<b>Interdisciplinary Linkages:</b> Maths <b>Diagrams:</b> Fig 9.4, 9.7, 9.10, 9.14. (NCERT) <b>Art Integration:</b> Drawing figure to show the difference between balanced and unbalanced force, law of conservation of mass.	Discussion of Practical based Question and revision of practicals.	1. Assignment on Force and Laws of Motion 2. Discussion of Scoring Points/ Marking Scheme/ Sample Questions
<b>August &amp; September Topic:</b> Gravitation <b>No. of Periods:</b> 12	Universal law of gravitation, Force of Gravitation of Earth, Concept of Acceleration due to Gravity, Concept of Mass, Weight and free fall Concept of thrust and pressure, Archimedes' Principle, Concept of buoyancy, Concept of Density, Concept of Relative Density	Videos to show concept of Universal law of Gravitation, Weight and Mass, Archimedes' Principle, Concept of buoyancy, Concept of Density, Concept of Relative Density.	<b>Interdisciplinary Linkages:</b> Maths <b>Diagrams:</b> Fig 10.2, 10.5, (NCERT)	1. Determination of the density of solid (denser than water) by using a spring balance and a measuring cylinder. 2. Establishing the relation between the loss in weight of a solid when fully immersed in a) Tap water b) Strongly salty water with the weight of water displaced by it by taking at least two different solids.	1. Assignment on Gravitation 2. Discussion of Scoring Points/ Marking Scheme/ Sample Questions
<b>October Topic:</b> Work, Energy & Power <b>No. of Periods:</b> 12	Concept of work done by a force, energy, Kinetic and Potential energy, Law of conservation of energy, Introduction to power Commercial unit of Energy	Videos to show the concept of Kinetic Energy, potential energy and law of conservation of energy.	<b>Interdisciplinary Linkages:</b> Maths <b>Diagrams:</b> Fig 11.7, 11.8. <b>Art Integration:</b> Drawing figures to show potential energy of an object.	Discussion of Practical based Questions and revision of practicals.	1. Assignment on Work, Energy & Power 2. Discussion of Scoring Points/ Marking Scheme/ Sample Questions

<b>Month Topic</b>	<b>Sub Topic</b>	<b>Audio Visual Inputs</b>	<b>Concept Maps / Diagrams/ Interdisciplinary Linkages/ Art Integration</b>	<b>Practical</b>	<b>Assignment / Discussion</b>
<b>November Topic:</b> Sound <b>No. of Periods:</b> 12	Nature and propagation in various media, Speed of sound, Concept of range of hearing in humans, Concept and uses of ultra sound, Reflection of sound echo and SONAR, Function & Working of Human Ear.	Videos to show working of Human Ear, and Characteristics of Sound.	<b>Interdisciplinary Linkages:</b> Maths <b>Diagrams:</b> Fig 12.1, 12.6, 12.7, 12.8, 12.9, 12.11, 12.15, 12.16, 12.17, 12.19. <b>Art Integration:</b> Drawing diagrams of Human Ear, Meghaphone, Reflection of sound, Bell experiment.	1. Verification of the Laws of reflection of sound. 2. Determination of the speed of a pulse propagated through a stretched string/slinky (helicalspring).	1. Assignment on Sound. 2. Discussion of Scoring Points/ Marking Scheme/ Sample Questions
<b>October Topic:</b> Why do we fall ill? <b>No. of Periods:</b> 10	Health and its failure. Infectious and non-infectious diseases, their causes and manifestation. Diseases caused by microbes (Virus, Bacteria, and Protozoans) and their prevention. Principle of treatment and prevention, Pulse Polioprograms	Videos to show concept of immunization, difference between infectious and non-infectious diseases.	<b>Mind Map:</b> Concept map to show various diseases caused by different agents. <b>Art Integration:</b> Drawing figures to show water harvesting.	Discussion of Practical based Question and revision of practicals.	1. Assignment on Why do we fall ill. 2. Discussion of Scoring Points/ Marking Scheme/ Sample Questions
<b>November Topic:</b> Natural Resources <b>No. of Periods:</b> 15	Physical resources: Air, water, Soil. Air for respiration, for combustion, for moderating temperatures, movement of air and its role in bringing rains across India. Air, water and soil pollution. Holes in ozone layer and the probable damages. Biogeochemical cycle in nature: water, oxygen, carbon, nitrogen	Videos to show different Biogeochemical cycles.	<b>Diagrams:</b> Fig 14.5, 14.6, 14.7, 14.8. <b>Art Integration:</b> Drawing figures to show water cycle, Nitrogen cycle, Carbon cycle, Oxygen cycle.	Discussion of Practical based Question and revision of practicals.	1. Assignment on Natural Resources. 2. Discussion of Scoring Points/ Marking Scheme/ Sample Questions

<b>Month Topic</b>	<b>Sub Topic</b>	<b>Audio Visual Inputs</b>	<b>Concept Maps / Diagrams/ Interdisciplinary Linkages/ Art Integration</b>	<b>Practical</b>	<b>Assignment / Discussion</b>
<b>December Topic:</b> Improvement in Food Resources <b>No. of Periods:</b> 10	<b>Periodic Test – 2</b>				
	Plant and animal breeding and selection for quality improvement and management, use of fertilizers, manures protection from pests and diseases: organic farming	Videos to show Organic farming, difference between manure and fertilizers.	<b>Art Integration:</b> Drawing figures to show different types of Crops.	Discussion of Practical based Question and revision of practicals.	1. Assignment on Improvements in Food Resources. 2. Discussion of Scoring Points/ Marking Scheme/ Sample Questions
<b>January</b>	<b>Revision</b>				
<b>February</b>	<b>Annual Examination</b>				

**Curriculum Plan of English Language and Literature  
Session (2023-24)**

Month Topic	Theme/Audio Visual Inputs	Assignment /Discussion	Listening, Speaking, Reading and Writing Skills	Core Skills/Art Integration/ Interdisciplinary Linkages
<b>April</b> Beehive <ul style="list-style-type: none"> <li>• Prose 1 The Fun They Had</li> <li>• Prose 2 The Sound of Music</li> <li>• Poem 1 The Road Not Taken</li> </ul> Moments <ul style="list-style-type: none"> <li>• Lesson 1 The Lost Child</li> </ul>	<ul style="list-style-type: none"> <li>• Understanding the Genre                             <ul style="list-style-type: none"> <li>○ Science Fiction</li> <li>○ Autobiography</li> <li>○ Narrative Poem</li> <li>○ Mystery</li> </ul> </li> <li>• Central Idea</li> <li>• A/V Inputs (on the theme of literature lessons and poems)</li> </ul>	<ul style="list-style-type: none"> <li>• Assignment                             <ul style="list-style-type: none"> <li>○ Literature lessons and Poems</li> </ul> </li> <li>• Discussion of Scoring Points/ Marking Scheme/ Sample Questions</li> </ul>	<ul style="list-style-type: none"> <li>• Listening Skills                             <ul style="list-style-type: none"> <li>○ Dictation, Shared Reading, Oral Comprehension Check, A/V Inputs</li> </ul> </li> <li>• Reading Skills                             <ul style="list-style-type: none"> <li>○ Reading for appreciation of poems, Poem Recitation, Reading for pleasure, Extended reading, Silent Reading, Scanning</li> </ul> </li> <li>• Speaking Skills                             <ul style="list-style-type: none"> <li>○ Speech, Debate, Poem recitation</li> </ul> </li> <li>• Writing Skills                             <ul style="list-style-type: none"> <li>○ Formal Letter</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Inter-disciplinary Linkage                             <ul style="list-style-type: none"> <li>○ Information about Virtual Reality, AI</li> </ul> </li> <li>• Core Life Skills                             <ul style="list-style-type: none"> <li>○ Coping with Stress and Emotions, Problem Solving, Self-awareness, Decision making</li> </ul> </li> <li>• Core Value Concerns                             <ul style="list-style-type: none"> <li>○ Self confidence, Motivation, Social responsibility</li> </ul> </li> </ul>
<b>May</b> Beehive <ul style="list-style-type: none"> <li>• Poem 2 Wind</li> <li>• Poem 3 Rain On The Roof</li> <li>• Prose 3 The Little Girl</li> </ul> Moments <ul style="list-style-type: none"> <li>• Lesson 2 The Adventure of Toto</li> <li>• Lesson 3 Iswaran the Storyteller</li> </ul>	<ul style="list-style-type: none"> <li>• Understanding the Genre                             <ul style="list-style-type: none"> <li>○ Short story</li> <li>○ Fiction</li> </ul> </li> <li>• Central idea</li> <li>• A/V Inputs (on the theme of literature lessons and poem)</li> </ul>	<ul style="list-style-type: none"> <li>• Assignment                             <ul style="list-style-type: none"> <li>○ Literature lessons and Poems</li> </ul> </li> <li>• Discussion of Scoring Points/ Marking Scheme/ Sample Questions</li> </ul>	<b>Periodic Test – 1</b>	<ul style="list-style-type: none"> <li>• Inter-disciplinary Linkage                             <ul style="list-style-type: none"> <li>○ Information about natural phenomena of Earth</li> </ul> </li> <li>• Core Life Skills                             <ul style="list-style-type: none"> <li>○ Self-awareness, Interpersonal relationship, Problem solving</li> </ul> </li> <li>• Core Value Concerns                             <ul style="list-style-type: none"> <li>○ Respect, Courtesy, Self confidence, Self-regulation of feelings and emotions to face challenges of life</li> </ul> </li> </ul>

<b>Month Topic</b>	<b>Theme/Audio Visual Inputs</b>	<b>Assignment /Discussion</b>	<b>Listening, Speaking, Reading and Writing Skills</b>	<b>Core Skills/Art Integration/ Interdisciplinary Linkages</b>
<b>July</b> Beehive <ul style="list-style-type: none"> <li>• Prose 4 A Truly Beautiful Mind</li> <li>• Prose 5 The Snake and The Mirror</li> <li>• Poem 4 The Lake Isle Of Innisfree</li> <li>• Poem 5 A Legend of the Northland</li> </ul> Moments <ul style="list-style-type: none"> <li>• Lesson 4 In The Kingdom Of Fools</li> </ul>	<ul style="list-style-type: none"> <li>• Understanding the Genre               <ul style="list-style-type: none"> <li>○ Biography</li> <li>○ Fiction</li> <li>○ Ballad</li> <li>○ Short story</li> </ul> </li> <li>• Central Idea</li> <li>• A/V Inputs (on the theme of literature lessons and poem)</li> </ul>	<ul style="list-style-type: none"> <li>• Assignment               <ul style="list-style-type: none"> <li>○ Literature lessons and Poem</li> </ul> </li> <li>• Discussion of Scoring Points/ Marking Scheme/ Sample Questions</li> </ul>	<ul style="list-style-type: none"> <li>• Listening Skills               <ul style="list-style-type: none"> <li>○ Dictation, Shared Reading, Oral Comprehension Check, A/V Inputs</li> </ul> </li> <li>• Reading Skills               <ul style="list-style-type: none"> <li>○ Reading for appreciation of poems, Poem Recitation, Reading for detail, Reading for pleasure, Extended reading, Silent Reading, Scanning</li> </ul> </li> <li>• Speaking Skills               <ul style="list-style-type: none"> <li>○ Role play, PPt presentation</li> </ul> </li> <li>• Writing Skills               <ul style="list-style-type: none"> <li>○ Story</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Inter-disciplinary Linkage               <ul style="list-style-type: none"> <li>○ Geographical location of Ireland and the Lake Isle</li> <li>○ Science of Theory of Relativity</li> </ul> </li> <li>• Core Life Skills               <ul style="list-style-type: none"> <li>○ Self – awareness, Critical and Creative thinking</li> </ul> </li> <li>• Core Values Concern-               <ul style="list-style-type: none"> <li>○ Responsibility towards one’s work, Appreciation for beauty and Aesthetics</li> </ul> </li> </ul>
<b>August</b> Beehive <ul style="list-style-type: none"> <li>• Prose 6 My Childhood</li> <li>• Poem 6 No Men Are Foreign</li> </ul> Moments <ul style="list-style-type: none"> <li>• Lesson 5 The Happy Prince</li> <li>• Lesson 6 Weathering the Storm in Ersama</li> </ul>	<ul style="list-style-type: none"> <li>• Understanding the Genre               <ul style="list-style-type: none"> <li>○ Non-fiction</li> <li>○ Autobiography</li> <li>○ Short story</li> <li>○ Non narrative poem</li> </ul> </li> <li>• Central Idea</li> <li>• A/V Inputs (on the theme of literature lessons and poem)</li> </ul>	<ul style="list-style-type: none"> <li>• Assignment               <ul style="list-style-type: none"> <li>○ Literature lessons and Poem</li> </ul> </li> <li>• Discussion of Scoring Points/ Marking Scheme/ Sample Questions</li> </ul>	<ul style="list-style-type: none"> <li>• Listening Skills               <ul style="list-style-type: none"> <li>○ Dictation, Shared Reading, Oral Comprehension Check, A/V Inputs</li> </ul> </li> <li>• Reading Skills               <ul style="list-style-type: none"> <li>○ Reading for appreciation of poems, Poem Recitation, Reading for detail, Reading for pleasure, Extended reading, Silent Reading, Scanning</li> </ul> </li> <li>• Speaking Skills               <ul style="list-style-type: none"> <li>○ Speech</li> </ul> </li> <li>• Writing Skills               <ul style="list-style-type: none"> <li>○ Article</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Inter-disciplinary Linkage               <ul style="list-style-type: none"> <li>○ Preparedness during a calamity</li> </ul> </li> <li>• Core Life Skills               <ul style="list-style-type: none"> <li>○ Empathy, Decision making</li> </ul> </li> <li>• Core Values Concern               <ul style="list-style-type: none"> <li>○ Love, Care and Compassion</li> </ul> </li> </ul>
<b>September</b>	<b>Half Yearly Examination</b>			
Beehive <ul style="list-style-type: none"> <li>• Poem 7 The Duck And The Kangaroo</li> </ul> Moments <ul style="list-style-type: none"> <li>• Lesson 7 The Last Leaf</li> </ul>	<ul style="list-style-type: none"> <li>• Understanding the Genre               <ul style="list-style-type: none"> <li>○ Fable</li> <li>○ Short story</li> </ul> </li> <li>• Central Idea</li> </ul>	<ul style="list-style-type: none"> <li>• Assignment               <ul style="list-style-type: none"> <li>○ Literature lessons and Poem</li> </ul> </li> <li>• Discussion of Scoring Points/</li> </ul>	<ul style="list-style-type: none"> <li>• Listening Skills               <ul style="list-style-type: none"> <li>○ Dictation, Oral Comprehension Check, A/V Inputs</li> </ul> </li> <li>• Reading Skills               <ul style="list-style-type: none"> <li>○ Reading for appreciation of poems, Poem Recitation, Reading for detail,</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Core Life skills               <ul style="list-style-type: none"> <li>○ Creative thinking, Inter-personal relationship</li> </ul> </li> <li>• Core Values Concern               <ul style="list-style-type: none"> <li>○ Respect and care for harmony</li> </ul> </li> </ul>

<b>Month Topic</b>	<b>Theme/Audio Visual Inputs</b>	<b>Assignment /Discussion</b>	<b>Listening, Speaking, Reading and Writing Skills</b>	<b>Core Skills/Art Integration/ Interdisciplinary Linkages</b>
	<ul style="list-style-type: none"> <li>• A/V Inputs (on the theme of literature lessons and poem)</li> </ul>	Marking Scheme/ Sample Questions	<ul style="list-style-type: none"> <li>○ Reading for pleasure, Extended reading, Silent Reading, Scanning</li> <li>• Speaking Skills               <ul style="list-style-type: none"> <li>○ Poem recitation</li> </ul> </li> <li>• Writing Skills               <ul style="list-style-type: none"> <li>○ Paragraph</li> </ul> </li> </ul>	
<b>October</b> Beehive <ul style="list-style-type: none"> <li>• Prose 7 Packing</li> <li>• Poem 8 On Killing A Tree</li> </ul> Moments <ul style="list-style-type: none"> <li>• Lesson 8 A House Is Not Home</li> </ul>	<ul style="list-style-type: none"> <li>• Understanding the Genre               <ul style="list-style-type: none"> <li>○ Travelogue</li> <li>○ Protest poem</li> <li>○ Short story</li> </ul> </li> <li>• Central Idea</li> <li>• A/V Inputs (on the theme of literature lessons and poem)</li> </ul>	<ul style="list-style-type: none"> <li>• Assignment               <ul style="list-style-type: none"> <li>○ Literature lessons and Poem</li> </ul> </li> <li>• Discussion of Scoring Points/ Marking Scheme/ Sample Questions</li> </ul>	<ul style="list-style-type: none"> <li>• Listening Skills               <ul style="list-style-type: none"> <li>○ Dictation, Shared Reading, Oral Comprehension Check, A/V Inputs</li> </ul> </li> <li>• Reading Skills               <ul style="list-style-type: none"> <li>○ Reading for appreciation of poems, Poem Recitation, Reading for pleasure, Extended reading, Silent Reading, Scanning</li> </ul> </li> <li>• Speaking Skills               <ul style="list-style-type: none"> <li>○ Talk Time, Poem recitation</li> </ul> </li> <li>• Writing Skills               <ul style="list-style-type: none"> <li>○ Article</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Inter-disciplinary Linkage               <ul style="list-style-type: none"> <li>○ Scientific significance of Trees</li> </ul> </li> <li>• Core Life skills               <ul style="list-style-type: none"> <li>○ Inter personal relationship</li> </ul> </li> <li>• Core Values Concern               <ul style="list-style-type: none"> <li>○ Self confidence, Humility and Politeness</li> </ul> </li> </ul>
<b>November</b> Beehive <ul style="list-style-type: none"> <li>• Prose 8 Reach for the Top</li> <li>• Prose 9 The Bond Of Love</li> <li>• Poem 9 The Snake Trying</li> <li>• Poem 10 A Slumber Did My Spirit Seal</li> </ul> Moments <ul style="list-style-type: none"> <li>• Lesson 9 The Accidental Tourist</li> </ul>	<ul style="list-style-type: none"> <li>• Understanding the Genre-               <ul style="list-style-type: none"> <li>○ Biography</li> <li>○ Fiction</li> <li>○ Realistic Fiction</li> <li>○ Elegy</li> </ul> </li> <li>• Central Idea</li> <li>• A/V Inputs (on the theme of literature lessons and poem)</li> </ul>	<ul style="list-style-type: none"> <li>• Assignment               <ul style="list-style-type: none"> <li>○ Literature lessons and Poem</li> </ul> </li> <li>• Discussion of Scoring Points/ Marking Scheme/ Sample Questions</li> </ul>	<ul style="list-style-type: none"> <li>• Listening Skills               <ul style="list-style-type: none"> <li>○ Dictation, Shared Reading, Oral Comprehension Check, A/V Inputs</li> </ul> </li> <li>• Reading Skills               <ul style="list-style-type: none"> <li>○ Reading for appreciation of poems, Poem Recitation, Reading for detail, Reading for pleasure, Extended reading, Silent Reading, Scanning</li> </ul> </li> <li>• Speaking Skills               <ul style="list-style-type: none"> <li>○ Group Discussion</li> </ul> </li> <li>• Writing Skills               <ul style="list-style-type: none"> <li>○ Diary Entry</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Inter-disciplinary Linkage               <ul style="list-style-type: none"> <li>○ Animal care and organisations working towards the aim</li> </ul> </li> <li>• Core Life Skills               <ul style="list-style-type: none"> <li>○ Inter personal relationship</li> </ul> </li> <li>• Core Values Concern               <ul style="list-style-type: none"> <li>○ Responsibility towards one's work /duty</li> </ul> </li> </ul>



Month Topic	Theme/Audio Visual Inputs	Assignment /Discussion	Listening, Speaking, Reading and Writing Skills	Core Skills/Art Integration/ Interdisciplinary Linkages
<b>December</b> Beehive <ul style="list-style-type: none"> <li>• Prose 10 Kathmandu</li> <li>• Prose 11 If I Were You</li> </ul> Moments <ul style="list-style-type: none"> <li>• Lesson 10 The Beggar</li> </ul>	<ul style="list-style-type: none"> <li>• Understanding the Genre-               <ul style="list-style-type: none"> <li>○ Travelogue</li> <li>○ One act play</li> <li>○ Realistic Fiction</li> </ul> </li> <li>• Central Idea</li> <li>• A/V Inputs (on the theme of literature lessons and poem)</li> </ul>	<ul style="list-style-type: none"> <li>• Assignment               <ul style="list-style-type: none"> <li>○ Literature lessons and Poem</li> </ul> </li> <li>• Discussion of Scoring Points/ Marking Scheme/ Sample Questions</li> </ul>	<b>Periodic Test - 2</b>	<ul style="list-style-type: none"> <li>• Inter-disciplinary Linkage               <ul style="list-style-type: none"> <li>○ Geographical identity of Nepal</li> </ul> </li> <li>• Core Life Skills               <ul style="list-style-type: none"> <li>○ Inter personal relationship, Empathy</li> </ul> </li> <li>• Core Values Concern               <ul style="list-style-type: none"> <li>○ Social Responsibility, Respect and care for humanity</li> </ul> </li> </ul>
<b>January</b>	<b>Revision</b>			
<b>February</b>	<b>Annual Examination</b>			

मह ना / वषय वस्तु	वषय /आवियो /व वियो	असाइनमेंट /परिचचा	सुनना, बोलना, पढना औ वलखना	ज वन कौशल / अतववषय काय
<p>अप्रेल</p> <p>स्पश -गद्य भाग</p> <p>vtX - 1.</p> <p>Oq~</p> <p>स्पश -पद्य भाग</p> <p>vtX - 9.</p> <p>yc fUimu</p> <p>Aqxu htb</p> <p>ltb ltb hx</p> <p>~tde</p> <ul style="list-style-type: none"> <li>• Yume</li> <li>~t~ „wS</li> <li>rcl fUtWl</li> <li>fUh</li> </ul> <p>vtX - 10.</p> <p>“tunu</p> <p>ÔgtfUhK</p> <ul style="list-style-type: none"> <li>• JKo</li> <li>rJâAu”</li> <li>• ylwôJth</li> <li>• lwÿUt</li> </ul> <p>लेखन</p> <ul style="list-style-type: none"> <li>• पत्र लेखन</li> </ul>	<ul style="list-style-type: none"> <li>• शब्दार्त्</li> <li>ज्ञान, शब्द का सिी उच्चारण</li> <li>• शब्द-भडार में िद्धि</li> <li>• सूद्धिपरक िाकद् का ज्ञान</li> <li>• िणों के प्रकार, पचम िणों का ज्ञान, अन्य भाषा शब्द</li> </ul>	<ul style="list-style-type: none"> <li>• हनमनह लखत पाठ पर आधाररत लेखन कार्यो पर पररचचा ि कॉपी में करना   गद्य भाग : पाठ- 1</li> <li>पद्य भाग : पाठ- 9,10 व्याकरण</li> <li>• JKo-rJâAu”, ylwôJth, lwÿUt लेखन</li> <li>• पत्र लेखन</li> <li>• अनुच्छेद क पत्र लेखन, अनुच्छेद लेखन</li> </ul>	<ul style="list-style-type: none"> <li>• सुनना - प्रश्रदत्तरी सुनकर अर् ग्रिण करना</li> <li>।</li> <li>• बोलना - ग्रामीण और शिरी सभ्यता के मध्य अतर, ( समू ि चचा )</li> <li>• पढना - पाठ्य पुस्तक में हनहित पाठ तर्ा ददि िाचन का पठन</li> <li>• वलखना - भारत गा िदका देश पर लेखन</li> </ul>	<p>गद्य भाग</p> <ul style="list-style-type: none"> <li>• vtX-1 ग्रामीण गरीब तबका - शिरी धनी िग की जी िनचर्चा में अतर ( सामूहिक चचा )</li> </ul> <p>पद्य भाग</p> <ul style="list-style-type: none"> <li>• पाठ -9 आधुहनक समय में भद्ध ि - भा िना का मित्व</li> <li>• पाठ -10 कम शब्द में बड़ी -बड़ी बात क दक िना तरा सामाहजक व्य िसर्ा की हशक्षा</li> <li>• लेखन - मनके िारे िार िै मन के जीते जीत पर अनुच्छेद लेखन</li> </ul>

• अनुच्छेद				
<b>मई</b>	<b>ग्रीष्मािकाश</b>			
<b>जून</b> <b>स्पश -गद्य भाग</b> vtX-2. "w:F fUt yrOfUth <b>स्पश -पद्य</b> <b>भाग vtX-</b> 11. yt"beltbt <b>mkag1</b> vtX-1 rdÖ~q <b>ÔgtfUhK</b> • उपसग • सह ध • हिराम हचन्ह <b>लेखन</b> • ह कर-िणन • सिाद लेखन • हिज्ञापन लेखन	• शब्दार् ज्ञान, शब्द का सिी उच्चारण • शब्द-भडार मेें िृद्धि • सूद्धिपरक िाकद् का ज्ञान • ददिद और कहिता मेें अतर का ज्ञान • कहिता मेें प्रयुि उदू शब्द का ज्ञान	• हनमनहलद्धखत पाठद पर आधाररत लेखन कार्यो पर परसचचा ि काँपी मेें करना   गद्य भाग : पाठ- 2 पद्य भाग : पाठ- 11 <b>mkag1</b> पाठ : 1 व्याकरण Wvmथ, mkrO (ôJh mkrO) rJhtb हचत्र- िणन,सि ाद, हििषापन लेखन	• <b>सुनना</b> - पाठ्य पुस्तक पर आधाररत प्रश्नदत्तरी • <b>बोलना</b> - पालतू जानििरद से सम्बहधत छात्रद केअनुभि   • <b>पढ़ना</b> -पाठ्य- पुस्तक मेें हनित पद का लखबि का िाचन   • <b>वलखना</b> - सामाहजक व्यिस्रा से सम्बद्धित दद पड़दहसर्पद के मध्य सिाद	<b>गद्य भाग</b> पाठ -2 धनी -हनधन िग के मध्य दुुुःखकेअहधकार पर चचा <b>पद्य भाग</b> पाठ - 11व्यद्धिरिद की परिृहत्तयद पर हिस्तार से चचा <b>mkag1</b> vtX-1 जानििरद के पह तदर्या भाि पर चचा

मह ना / वषय वस्तु	वषय /अँवियो /व वियो	असाइनमेंट /परिचचा	सुनना, बोलना, पढना औ वलखना	ज वन कौशल / अींतवषय काय
<b>जुलाई</b> <b>पि कषा -</b> <b>यूनट -</b> <b>1</b> <b>स्पश -गद्य भाग</b> vtX - 3.	• शब्दार् ज्ञान, िणों का ज्ञान • अनुस्वार शब्द का ज्ञान ,	• हनमनहलद्धखत पाठद	• <b>सुनना</b> -	• पाठ - 3 लेद्धखका के सािसपूण

<p>YJhuôx : buhe rNFh gt°tt <b>ÔgtfUHK</b></p> <ul style="list-style-type: none"> <li>• JKo</li> <li>rJâAu"</li> <li>• अनुस्वार</li> <li>• प्रत्यय</li> </ul> <p><b>लेखन</b></p> <ul style="list-style-type: none"> <li>• पत्र लेखन</li> <li>• अनुच्छेद लेखन</li> </ul>	<p>प्रत्यय से बनने वाले शब्द का ज्ञान</p>	<p>पर आधारित लेखन कार्यों पर पसचचा ि काँपी में करना   गद्य भाग : पाठ- 3</p> <p>व्याकरण</p> <ul style="list-style-type: none"> <li>• JKo</li> <li>rJâAu"</li> <li>• अनुस्वार ,प्रत्यय लेखन</li> <li>• अनुच्छेद लेखन</li> <li>• पत्र लेखन</li> </ul>	<p>कमिीर लदगदकसग सुनना  </p> <ul style="list-style-type: none"> <li>• बोलना -मिा .पुरुषदेके साहसक कार्यों का िणन।</li> <li>• पढ़ना - पाठ्य पुस्तक में का पठन।</li> <li>• बलखना - पिाड़ पर हपकहनकजाने की अनुमहत के हल एहपता क द पत्र  </li> </ul>	<p>कार्यों पर सामूहिक चचा  </p> <ul style="list-style-type: none"> <li>• पिाड़ी क्षेत्र की कहनाईय का िणन  </li> <li>• प्रम भारतीय महिला पितारदी के रूप में िणन  </li> <li>• एिरेस पिाड़ी की दुगम चढ़ाई का िणन</li> </ul>
<p><b>ydô,,</b> स्यश -गद्य भाग पाठ - 4. ,,wb fUc stytudu , yr,,rf <b>(mkag1)</b> पाठ 2 . <b>ôbDr,,</b> <b>ÔgtfUHK</b></p> <ul style="list-style-type: none"> <li>• उपसग</li> <li>• सह ध</li> <li>• प्रत्यय लेखन</li> </ul>	<ul style="list-style-type: none"> <li>• शब्दार् ज्ञान, शब्द का सिी उच्चारण ,शब्द क दजदइना और तदइना ,प्रत्यय ,उपसग शब्द में अर् पसितन  </li> <li>• सूद्धिपरक िाकद का ज्ञान।</li> </ul>	<ul style="list-style-type: none"> <li>• हनमनहलदखत पाठद पर आधारित लेखन कार्यों पर पसचचा ि काँपी में करना  </li> <li>गद्य भाग : पाठ- 4</li> <li>सचर्यन : पाठ- 2</li> <li>व्याकरण</li> <li>• उपसग ,सह ध, प्रत्ययलेखन</li> <li>• v°t लेखन</li> <li>• ylwâAu" लेखन,</li> </ul>	<ul style="list-style-type: none"> <li>• सुनना - पाठ्य -पुस्तक पर आधारित प्रश्नदतरी  </li> <li>• बोलना - शिरी जीनि केखतरके स्वयं कअनुभि  </li> <li>• पढ़ना - पाठ्य पुस्तक में का पठन  </li> <li>• बलखना - कश्मीर और</li> </ul>	<ul style="list-style-type: none"> <li>• मध्यम िगीय पररिार की परे शाहनयद के बीच अहतर और आहतर्ये के कतव्य का पालन  </li> <li>• बुरी आदत कद सुधारने और अच्छी आदत कद हनखारने तरा अपनाने का प्रयास  </li> </ul>

<ul style="list-style-type: none"> <li>• ह च्चर-िणन</li> <li>• सिाद लेखन</li> <li>• हिज्ञापन लेखन</li> </ul>		<ul style="list-style-type: none"> <li>• सिाद लेखन</li> <li>• अक र्यदजना ि आदश प्रश्नपत्र पर चचा</li> </ul>	370 पर दद नागररकद के मध्य सिाद।	
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मह ना / वषय वस्तु	वषय /आवियो /व वियो	असाइनमेंट /परिचचा	सुनना, बोलना, पढना औ वलखना	ज वन कौशल / अतववषय काय वलखना
<p><b>rm,,öch</b> टम - 1</p> <p><b>सपश -गद्य भाग</b> vtX - 6 .fUea·z fUt fUtÔg</p> <p><b>सचयन</b> पाठ - 3. fUÖ~q fwUönth fUe wltfUtuxe ( के िल पठन िेतु ) ÔgtfUhK • ylwôJth • lwÿUt</p> <p>लेखन • सिाद लेखन</p>	<ul style="list-style-type: none"> <li>• शब्दार् षान, शब्द का सिी उच्चारण अनुस्वार का उपहत सर्ान</li> <li>• हिदेशी भाषा ( अरबी-फारसी ) के शब्द का ज्ञान।</li> </ul>	<ul style="list-style-type: none"> <li>• हनमनह लखत पाठपर आधारत लेखन कार्यो पर पररचचा ि कॉपी में करना। गद्य भाग : पाठ- 6सचर्यन पाठ : 3. व्याकरण</li> <li>• ylwôJth ,lwÿUt</li> <li>लेखन</li> <li>• सिाद लेखन</li> <li>• पत्र लेखन</li> </ul>	<ul style="list-style-type: none"> <li>• सुनना - हकसान के हलए हमट्टी र्या कीचड़ का मित्व सुनना</li> <li>• बोलना - कीीचड़ का मित्व अन्न के उत्पादेर्य के रूप में चचा</li> <li>• पढना - पाठ्य पुस्तक में का पठन</li> <li>• वलखना - पत्र- लेखन।</li> </ul>	<ul style="list-style-type: none"> <li>• vtX - 6 गीली हमट्टी तरा कीचड़ के सौन्दर्य का िणन कल्पना की दहि से।</li> <li>• समुद्री हकनारद ि नहदर्य के हकनारदका िणन</li> <li>• हमट्टी पर छपे जानिद तरा पहर्षद के पद- हकहद के सौन्दर्यपर चचा</li> </ul>

<p>• पत्र लेखन</p> <p><b>yxqꣳch</b></p> <p>स्पश -गद्य भाग पाठ - 7. Obo fUe yt·z</p> <p>स्पश -पद्य भाग पाठ - 12 YfUVqU~ fUeatn</p> <p><b>ÔgtfUhK</b></p> <ul style="list-style-type: none"> <li>• स्वर- सह ध</li> <li>• व्यजन-सह ध लेखन</li> <li>• ह क्क - िणन</li> <li>• हिज्ञापन लेखन</li> </ul>	<ul style="list-style-type: none"> <li>• शब्दार्क् षान, शब्दक का सिी उच्चारण</li> <li>• शब्द-भडार मेें िृद्धि</li> <li>• सूद्धिपरक िाक्द का ज्ञान</li> </ul>	<ul style="list-style-type: none"> <li>• हनम्रहलद्धखत पाठद पर आधाररत लेखन कार्यो पर परसचचा ि काँपी मेें करना।</li> <li>गद्य भाग : पाठ- 7</li> <li>गद्य भाग : पाठ- 12</li> <li>व्याकरण</li> <li>• सह ध ( स्वर-सहध), व्यजन-सह ध लेखन</li> <li>• ह क्क- िणन, हिज्ञापन लेखन</li> </ul>	<ul style="list-style-type: none"> <li>• सुनना - पाठ्य - पुस्तक पर आधाररत प्श्रदत्तरी।</li> <li>• बोलना - धमका मित्व त्रा उपादे र्यता पर चचा</li> <li>• पढ़ना - पाठ्य पुस्तक मेें का पठन</li> <li>• बलखना - हिज्ञापन के ह ल ए स्लदगन हलखना।</li> </ul>	<ul style="list-style-type: none"> <li>• पाठ - 7 भारतीय धाहमक त्रा सामाहजक मान्यताओ पर चचा</li> <li>• पाठ -7 ितमान धाहमक घटनाओ पर हिचार प्रस्तुहतकरण।</li> <li>• पाठ-12 छु आछू त जैसी बुराइर्द कद दूर करने के उपार्य पर सामूहिक चचा</li> </ul>
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<p><b>lcöch</b></p> <p>स्पश -पद्य भाग पाठ - 15. lY R~tfuU bu.....</p> <ul style="list-style-type: none"> <li>• FwNcq ha,,u ntf</li> </ul> <p><b>ÔgtfUHK</b></p> <ul style="list-style-type: none"> <li>• िण-हिच्छे द</li> <li>• ylwôJth • lwÿUt लेखन</li> <li>• पत्र लेखन</li> </ul>	<ul style="list-style-type: none"> <li>• शब्दार्क् ज्ञान, शब्द का सिी उच्चारण</li> <li>• शब्द-भंडार में िृद्धि</li> </ul>	<ul style="list-style-type: none"> <li>• हनम्रहलद्धखत पाठद पर आधाररत लेखन कार्यो पर परसचचा</li> </ul> <p><b>ि कौपी</b> में करना।</p> <ul style="list-style-type: none"> <li>• पद्य भाग :पाठ- 15</li> </ul> <p><b>ÔgtfUHK</b></p> <ul style="list-style-type: none"> <li>• िण-हिच्छे द, ylwôJth , lwÿUt लेखन</li> <li>• पत्र लेखन</li> <li>• अनुच्छेद लेखन</li> </ul>	<ul style="list-style-type: none"> <li>• <b>सुनना</b> - पाठ्य -पुस्तक पर आधाररत प्रश्नदत्तरी।</li> </ul> <ul style="list-style-type: none"> <li>• <b>बोलना</b> - अजनबी शिर और लदगदेक हिषर्य में चचा।</li> </ul> <ul style="list-style-type: none"> <li>• <b>पढ़ना</b> - अतुकात कहिता का पठन। <b>वलखना</b> - भारतीय सस्कृ हतपर अनुच्छेद लेखन</li> </ul>	<ul style="list-style-type: none"> <li>• पाठ - 15 शिरी जीिन में बदलाि पर हनरीक्षण करतेहुए 'नए अनुभि' पर अनुच्छेद लेखन।</li> <li>• हनतप्रहत बदलती दुहनर्या की जानकारी।</li> <li>• अजनबी शिर में पिचान की परेशाहनर्यद पर चचा ।</li> </ul>
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<p>• अनुच्छेद लेखन</p> <p><b>r"möch</b> स्पश -पद्य भाग पाठ - 14. yrÉlvf <b>ÔgtfUhK</b></p> <ul style="list-style-type: none"> <li>• उपसग</li> <li>• हिराम -हचन्ह लेखन</li> <li>• ह च्चर-णिणन</li> <li>• सणिाद लेखन</li> <li>• हिज्ञापन लेखन</li> </ul>	<ul style="list-style-type: none"> <li>• शब्दार्क् ञ्ज्ञान, शब्दद का सणिी उच्चारण</li> <li>• शब्द-भडार में</li> <li>• िृद्धि</li> <li>• सूद्धिपरक िाक्द का ज्ञान</li> </ul>	<ul style="list-style-type: none"> <li>• हनमनह लेखत पाठपर आधाररत लेखन कार्यो पर पररचचा ि कॉपी में करना । पद्य भाग : पाठ- 14</li> <li><b>ÔgtfUhK</b></li> <li>• उपसग ,हिराम</li> <li>-</li> <li>हचन्ह लेखन</li> <li>• ह च्चर-णिणन</li> <li>• सणिाद लेखन</li> <li>• हिज्ञापन लेखन</li> </ul>	<ul style="list-style-type: none"> <li>• <b>सुनना</b> - 'जींिन सघषमर्य िै' मणिापुरु षद के प्रसग सुनना ।</li> <li>• <b>बोलना</b> - कमठता और लगनशीलता पर चचा</li> <li>• <b>पढ़ना</b> - पाठ्य पुस्तक में का पठन।</li> <li>• <b>बलखना</b> - हर्प्र्य कहि की कहिता लेखन ।</li> </ul>	<ul style="list-style-type: none"> <li>• पाठ -14 जींिन के प्रहत उत्साहित करते हुए " जींिन सघषमर्य िै" पर अनुच्छेद ।</li> <li>• पाठ -14 स्वाहभमान जाग्रत सबधी हचिारद पर चचा ।</li> </ul>
<p>slJhe</p> <p>स्पश -गद्य भाग पाठ - 8. Nwf½U,,thu fuU mbtl (mkag1) पाठ 5. ntrb" Ftâ <b>ÔgtfUhK</b></p> <ul style="list-style-type: none"> <li>• सह ध</li> <li>• प्रत्यर्य लेखन</li> <li>• पत्र लेखन</li> </ul>	<ul style="list-style-type: none"> <li>• शब्दार्क् ञ्ज्ञान, शब्दद का सणिी उच्चारण</li> <li>• शब्द-भडार में</li> <li>• िृद्धि ,र्यात्रा िणन</li> <li>,मणिापुरुष द की</li> <li>जींिनी ,</li> <li>समूि चचा</li> </ul>	<ul style="list-style-type: none"> <li>• हनमनहलद्धखत पाठ पर आधाररत लेखन कार्यो पर पररचचा ि कॉपी में करना । गद्य भाग : पाठ- 8 सचर्यन : पाठ- 5</li> <li><b>ÔgtfUhK</b></li> <li>• सह ध , प्रत्यर्य लेखन</li> <li>• पत्र लेखन</li> <li>• अनुच्छेद लेखन</li> </ul>	<ul style="list-style-type: none"> <li>• <b>सुनना</b> - पाठ्य -पुस्तक पर आधाररत परश्रदतररी ।</li> <li>• <b>बोलना</b> - कमठता और लगनशीलता पर चचा</li> <li>• <b>पढ़ना</b> - पाठ्य पुस्तक में का पठन।</li> <li>• <b>बलखना</b> - एहतिाहसक इमारतपर अनच्छेद</li> </ul>	<ul style="list-style-type: none"> <li>• <b>पाठ - 8</b> मणिादे ि भाई जैसे मिन व्यद्धित्व परसहक्षत हटप्पणी ।</li> <li>• <b>पाठ -5</b> तक्षहशला के मिन इहतिास पर सामूहिक चचा ।</li> <li>• एहतिाहसक धरदिरद पर चचा ।</li> </ul>



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• अनुच्छेद लेखन				
फिवि	पुनिवतन	पुनिवतन	पुनिवतन	पुनिवतन

**Curriculum Plan of Social Science std IX**  
**(Session: 2023-2024)**

Month Topic	Sub Topic	Learning Objectives	Audio Visual Inputs	Miscellaneous	Core Skills/Art Integration/ Interdisciplinary Linkages
<b>April</b> <b>Topic:</b> India – Size and Location <b>No. of Periods:</b> 9	<ul style="list-style-type: none"> <li>• Location</li> <li>• Size</li> <li>• India and the World</li> <li>• India’s Neighbors</li> </ul>	<ul style="list-style-type: none"> <li>• Identify the location of India in the Indian subcontinent</li> </ul>	Video <ul style="list-style-type: none"> <li>• India – Size and Location</li> </ul>	<ul style="list-style-type: none"> <li>• Assignment               <ul style="list-style-type: none"> <li>○ India – Size and Location</li> <li>○ What is Democracy? Why Democracy?</li> <li>○ The story of village Palampur</li> </ul> </li> <li>• Timeline/ Concept Mapping</li> <li>• Discussion of Scoring Points/ Marking Scheme/ Sample Questions</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Core Skills</b> <ul style="list-style-type: none"> <li>○ Critical thinking, Logical thinking, Decision Making, Effective communication</li> </ul> </li> <li>• <b>Art Integration</b> <ul style="list-style-type: none"> <li>○ Map work on longitude and latitude of India, Discussion on Ancient Silk route and Sea route</li> </ul> </li> <li>• <b>Interdisciplinary Linkages</b> <ul style="list-style-type: none"> <li>○ History, Mathematics</li> </ul> </li> </ul>
<b>Topic:</b> What is Democracy? Why Democracy? <b>No. of Periods:</b> 10	<ul style="list-style-type: none"> <li>• What is Democracy?</li> <li>• Features of Democracy</li> <li>• Why Democracy?</li> <li>• Broader meaning of Democracy</li> </ul>	<ul style="list-style-type: none"> <li>• Develop conceptual skills of defining democracy.</li> <li>• Understand how different historical processes and forces have promoted democracy.</li> <li>• Develop a sophisticated defense of democracy against common prejudices.</li> <li>• Develop a historical sense of the choice and nature of democracy in India.</li> </ul>	Video <ul style="list-style-type: none"> <li>• What is Democracy? Why Democracy?</li> </ul>	<ul style="list-style-type: none"> <li>• Timeline/ Concept Mapping</li> <li>• Discussion of Scoring Points/ Marking Scheme/ Sample Questions</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Core Skills</b> <ul style="list-style-type: none"> <li>○ Critical thinking, Logical thinking, Problem solving, Decision-making</li> </ul> </li> <li>• <b>Art Integration</b> <ul style="list-style-type: none"> <li>○ Debate on ‘whether democracy is the best form of government or not’</li> </ul> </li> <li>• <b>Interdisciplinary Linkages</b> <ul style="list-style-type: none"> <li>○ History</li> </ul> </li> </ul>

<b>Topic:</b> The story of village Palampur <b>No. of Periods:</b> 10	<ul style="list-style-type: none"> <li>• Overview</li> <li>• Organization of production</li> <li>• Farming in Palampur</li> <li>• Non-farm activities of Palampur</li> </ul>	<ul style="list-style-type: none"> <li>• Familiarize with basic economic concepts through an imaginary story of a village.</li> </ul>	Video <ul style="list-style-type: none"> <li>• The story of village Palampur</li> </ul>	<ul style="list-style-type: none"> <li>• Project             <ul style="list-style-type: none"> <li>○ Topic selection</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <b>Core Skills</b> <ul style="list-style-type: none"> <li>○ Critical thinking, Logical thinking, Problem solving, Decision-making</li> </ul> </li> <li>• <b>Art Integration</b> <ul style="list-style-type: none"> <li>○ Discussion on the conditions of farmers and farm laborer in India</li> </ul> </li> <li>• <b>Interdisciplinary Linkages</b> <ul style="list-style-type: none"> <li>○ History, Geography</li> </ul> </li> </ul>
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Month Topic	Sub Topic	Learning Objectives	Audio Visual Inputs	Miscellaneous	Core Skills/Art Integration/ Interdisciplinary Linkages
<b>June</b>	<b>Periodic Test - 1</b>				
<b>Topic:</b> Physical Features of India <b>No. of Periods:</b> 09	<ul style="list-style-type: none"> <li>• Major Physiographic Divisions</li> <li>• The Himalayan Mountains</li> <li>• The Northern Plains</li> <li>• The Peninsular Plateau</li> <li>• The Indian Desert</li> <li>• The coastal Plains</li> <li>• The Islands</li> </ul>	<ul style="list-style-type: none"> <li>• Understand the major landform features and the underlying geological structure; their association with various rocks and minerals as well as nature of soil types.</li> </ul>	Video <ul style="list-style-type: none"> <li>• Physical features of India</li> </ul>	<ul style="list-style-type: none"> <li>• Assignment             <ul style="list-style-type: none"> <li>○ Physical Features of India</li> <li>○ Constitutional Design</li> <li>○ The French Revolution</li> </ul> </li> <li>• Timeline/ Concept Mapping</li> <li>• Discussion of Scoring Points/ Marking Scheme/ Sample Questions</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Core Skills</b> <ul style="list-style-type: none"> <li>○ Critical thinking, Logical thinking, Problem solving, Decision-making</li> </ul> </li> <li>• <b>Art Integration</b> <ul style="list-style-type: none"> <li>○ Map work of physical features of India</li> </ul> </li> <li>• <b>Interdisciplinary Linkages</b> <ul style="list-style-type: none"> <li>○ History</li> </ul> </li> </ul>
<b>Topic:</b> Constitutional Design <b>No. of Periods:</b> 10	<ul style="list-style-type: none"> <li>• Democratic Constitution in South Africa</li> <li>• Why do we need a Constitution?</li> <li>• Making of the Indian Constitution</li> <li>• Guiding Values of the Indian Constitution</li> </ul>	<ul style="list-style-type: none"> <li>• Understand the process of Constitution making.</li> <li>• Develop respect for the Constitution and appreciation for Constitutional values.</li> <li>• Recognize Constitution as a dynamic and living document.</li> </ul>	Video <ul style="list-style-type: none"> <li>• Constitution making of India</li> </ul>	<ul style="list-style-type: none"> <li>• Timeline/ Concept Mapping</li> <li>• Discussion of Scoring Points/ Marking Scheme/ Sample Questions</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Core Skills</b> <ul style="list-style-type: none"> <li>○ Critical thinking, Logical thinking, Problem solving, Decision-making, Effective communication</li> </ul> </li> <li>• <b>Art Integration</b> <ul style="list-style-type: none"> <li>○ Debate on the Institutional arrangement in Constitution</li> </ul> </li> <li>• <b>Interdisciplinary Linkages</b> <ul style="list-style-type: none"> <li>○ History, Sociology</li> </ul> </li> </ul>

<p><b>June</b> <b>Topic:</b> The French Revolution <b>No. of Periods:</b> 15</p>	<ul style="list-style-type: none"> <li>• French Society During the Late Eighteenth Century</li> <li>• The Outbreak of the Revolution</li> <li>• France Abolishes Monarchy and Becomes a Republic</li> <li>• Did Women have a Revolution?</li> <li>• The Abolition of Slavery</li> <li>• The Revolution and Everyday Life</li> </ul>	<ul style="list-style-type: none"> <li>• Familiarize with the names of people involved, the different types of ideas that inspired the revolution, the wider forces that shaped it.</li> <li>• Know the use of written, oral and visual material to recover the history of revolutions.</li> </ul>	<p>Video</p> <ul style="list-style-type: none"> <li>• The French Revolution</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Core Skills</b> <ul style="list-style-type: none"> <li>○ Creative thinking, Logical thinking, Problem solving, Decision-making</li> </ul> </li> <li>• <b>Art Integration</b> <ul style="list-style-type: none"> <li>○ Discussion on ‘Impact of the French Revolution on the contemporary world’</li> </ul> </li> <li>• <b>Interdisciplinary Linkages</b> <ul style="list-style-type: none"> <li>○ History, Sociology, Geography</li> </ul> </li> </ul>
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<b>Month Topic</b>	<b>Sub Topic</b>	<b>Learning Objectives</b>	<b>Audio Visual Inputs</b>	<b>Miscellaneous</b>	<b>Core Skills/Art Integration/ Interdisciplinary Linkages</b>
<p><b>JULY</b> <b>Topic:</b> Electoral Politics <b>No. of Periods:</b> 10</p>	<ul style="list-style-type: none"> <li>• Why Elections?</li> <li>• What is our System of Elections?</li> <li>• What makes elections in India democratic?</li> </ul>	<ul style="list-style-type: none"> <li>• Understand representative democracy via competitive party politics.</li> <li>• Familiarize with Indian electoral s system.</li> <li>• Reason out for the adoption of present Indian Electoral System.</li> <li>• Develop an appreciation of citizen’s increased participation in electoral politics.</li> <li>• Recognize the significance of the Election Commission.</li> </ul>	<p>Video</p> <ul style="list-style-type: none"> <li>• Election process in India</li> <li>• Various phases of election in India</li> </ul>	<ul style="list-style-type: none"> <li>• Assignment <ul style="list-style-type: none"> <li>○ Electoral Politics</li> <li>○ Drainage</li> </ul> </li> <li>• Timeline/ Concept Mapping</li> <li>• Discussion of Scoring Points/ Marking Scheme/ Sample Questions</li> <li>• Project <ul style="list-style-type: none"> <li>○ Indian election 2019</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <b>Core Skills</b> <ul style="list-style-type: none"> <li>○ Critical thinking, Logical thinking, Problem solving, Decision Making, Self - Awareness, Empathy</li> </ul> </li> <li>• <b>Art Integration</b> <ul style="list-style-type: none"> <li>○ Debate on ‘Challenges to conduct free and fair elections in I ndia’</li> </ul> </li> <li>• <b>Inter disciplinary Linkages</b> <ul style="list-style-type: none"> <li>○ History, S sociology, Economics</li> </ul> </li> </ul>
<p><b>Topic:</b> Drainage <b>No. of Periods:</b> 09</p>	<ul style="list-style-type: none"> <li>• Major rivers and tributaries</li> <li>• Lakes</li> <li>• Role of rivers in the economy</li> <li>• Pollution of rivers</li> </ul>	<ul style="list-style-type: none"> <li>• Identify the river systems of the country and explain the role of rivers in the human society.</li> </ul>	<p>Video</p> <ul style="list-style-type: none"> <li>• Drainage</li> </ul>		<ul style="list-style-type: none"> <li>• <b>Core Skills</b> <ul style="list-style-type: none"> <li>○ Critical thinking, Logical thinking, Problem solving, Decision-making</li> </ul> </li> <li>• <b>Art Integration</b> <ul style="list-style-type: none"> <li>○ Map work of the rivers of India</li> </ul> </li> <li>• <b>Interdisciplinary Linkages</b> <ul style="list-style-type: none"> <li>○ History</li> </ul> </li> </ul>

<b>August</b> <b>Topic:</b> Socialism in Europe and the Russian Revolution <b>No. of Periods:</b> 15	<ul style="list-style-type: none"> <li>• The Age of Social Change</li> <li>• The Russian Revolution</li> <li>• The February Revolution in Petrograd</li> <li>• What Changed after October?</li> <li>• The Global Influence of the Russian Revolution and the USSR</li> </ul>	<ul style="list-style-type: none"> <li>• Explore the history of socialism through the study of Russian Revolution.</li> <li>• Familiarize with the different types of ideas that inspired the revolution.</li> </ul>	Video <ul style="list-style-type: none"> <li>• The Russian Revolution</li> </ul>	<ul style="list-style-type: none"> <li>• Assignment             <ul style="list-style-type: none"> <li>○ Socialism in Europe and the Russian Revolution</li> </ul> </li> <li>• Timeline/ Concept Mapping</li> <li>• Discussion of Scoring Points/ Marking Scheme/ Sample Questions</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Core Skills</b> <ul style="list-style-type: none"> <li>○ Critical thinking, Logical thinking, Problem solving, Decision-making</li> </ul> </li> <li>• <b>Art Integration</b> <ul style="list-style-type: none"> <li>○ Debate and discussion Socialism versus Capitalism</li> </ul> </li> <li>• <b>Interdisciplinary Linkages</b> <ul style="list-style-type: none"> <li>○ Political Science, Geography</li> </ul> </li> </ul>
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<b>Month Topic</b>	<b>Sub Topic</b>	<b>Learning Objectives</b>	<b>Audio Visual Inputs</b>	<b>Miscellaneous</b>	<b>Core Skills/Art Integration/ Interdisciplinary Linkages</b>
<b>Topic:</b> People as Resource <b>No. of Periods:</b> 12	<ul style="list-style-type: none"> <li>• Overview</li> <li>• Economic activities by men and women</li> <li>• Quality of Population</li> <li>• Unemployment</li> </ul>	<ul style="list-style-type: none"> <li>• Understand the demographic concepts</li> <li>• Understand how population can be as asset or a liability for the nation.</li> </ul>	Video <ul style="list-style-type: none"> <li>• People as Resource</li> </ul>	<ul style="list-style-type: none"> <li>• Assignment             <ul style="list-style-type: none"> <li>○ People as Resource</li> </ul> </li> <li>• Timeline/ Concept Mapping</li> <li>• Discussion of Scoring Points/ Marking Scheme/ Sample Questions</li> <li>• Project             <ul style="list-style-type: none"> <li>○ First Draft</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <b>Core Skills</b> <ul style="list-style-type: none"> <li>○ Logical thinking, Problem solving, Decision Making, Empathy</li> </ul> </li> <li>• <b>Art I integration</b> <ul style="list-style-type: none"> <li>○ Discussion on the importance of health and education in formation of human resource</li> </ul> </li> <li>• <b>Inter disciplinary Linkages</b> <ul style="list-style-type: none"> <li>○ History, Sociology</li> </ul> </li> </ul>
<b>September Topic:</b>	<b>Terminal Examination</b>				

<p>Working of Institutions <b>No. of Periods:</b> 10</p>	<ul style="list-style-type: none"> <li>• How is the major policy decision taken?</li> <li>• Parliament</li> <li>• Political Executive</li> <li>• Judiciary</li> </ul>	<ul style="list-style-type: none"> <li>• Get an overview of central governmental structures.</li> <li>• Identify the role of Parliament and its procedures.</li> <li>• Distinguish between political and permanent executive authorities and functions.</li> <li>• Understand the parliamentary system of executive's accountability to the legislature.</li> <li>• Understand the working of Indian Judiciary.</li> </ul>	<p>Video</p> <ul style="list-style-type: none"> <li>• The Parliament</li> <li>• The Executive</li> </ul>	<ul style="list-style-type: none"> <li>• Assignment <ul style="list-style-type: none"> <li>○ Working of Institutions</li> <li>○ Nazism and the Rise of Hitler</li> </ul> </li> <li>• Timeline/ Concept Mapping</li> <li>• Discussion of Scoring Points/ Marking Scheme/ Sample Questions</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Core Skills</b> <ul style="list-style-type: none"> <li>○ Logical thinking, Decision Making, Self Awareness, Empathy, Interpersonal Relationship</li> </ul> </li> <li>• <b>Art Integration</b> <ul style="list-style-type: none"> <li>○ Discussion on powers and function of Parliament</li> </ul> </li> <li>• <b>Inter disciplinary Linkages</b> <ul style="list-style-type: none"> <li>○ History, Sociology</li> </ul> </li> </ul>
<p><b>October</b> <b>Topic:</b> Nazism and the Rise of Hitler <b>No. of Periods:</b> 15</p>	<ul style="list-style-type: none"> <li>• Birth of the Weimar Republic</li> <li>• Hitler's Rise to Power</li> <li>• The Nazi Worldview</li> <li>• Youth in Nazi Germany</li> <li>• Ordinary People and the Crimes Against Humanity</li> </ul>	<ul style="list-style-type: none"> <li>• Discuss the critical significance of Nazism in shaping the politics of modern world.</li> <li>• Get familiarized with the speeches and writings of Nazi Leaders.</li> </ul>	<p>Video</p> <ul style="list-style-type: none"> <li>• Nazism and the rise of Hitler</li> </ul>		<ul style="list-style-type: none"> <li>• <b>Core Skills</b> <ul style="list-style-type: none"> <li>○ Logical thinking, Problem solving, Decision Making, Sense of I inquiry</li> </ul> </li> <li>• <b>Inter disciplinary Linkages</b> <ul style="list-style-type: none"> <li>○ Political Science, Sociology</li> </ul> </li> </ul>

Month Topic	Sub Topic	Learning Objectives	Audio Visual Inputs	Miscellaneous	Core Skills/Art Integration/ Interdisciplinary Linkages
<b>Topic:</b> Climate <b>No. of Periods:</b> 09	<ul style="list-style-type: none"> <li>• Concept</li> <li>• Climatic Controls</li> <li>• Factors influencing India’s climate</li> <li>• The Indian Monsoon</li> <li>• Distribution of Rainfall</li> <li>• Monsoon as a unifying bond</li> </ul>	<ul style="list-style-type: none"> <li>• Identify various factors influencing the climate and explain the climatic variation of our country and its impact on the life of the people.</li> <li>• Explain the importance and unifying role of monsoons.</li> </ul>	Video <ul style="list-style-type: none"> <li>• Climate</li> <li>• Flow Chart</li> </ul>	<ul style="list-style-type: none"> <li>• Assignment               <ul style="list-style-type: none"> <li>○ Climate</li> </ul> </li> <li>• Timeline/ Concept Mapping</li> <li>• Discussion of Scoring Points/ Marking Scheme/ Sample Questions</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Core Skills</b> <ul style="list-style-type: none"> <li>○ Logical thinking, Problem solving, Decision Making</li> </ul> </li> <li>• <b>Art Integration</b> <ul style="list-style-type: none"> <li>○ Map work on Rainfall in India and seasons</li> </ul> </li> <li>• <b>Inter disciplinary Linkages</b> <ul style="list-style-type: none"> <li>○ History, Sociology, Economics</li> </ul> </li> </ul>
<b>November Topic:</b> Forest Society and Colonialism <b>No. of Periods:</b> 15	<ul style="list-style-type: none"> <li>• Why Deforestation?</li> <li>• The Rise of Commercial Forestry</li> <li>• Rebellion in the Forest</li> <li>• Forest Transformations in Java</li> </ul>	<ul style="list-style-type: none"> <li>• Discuss the social and cultural world of forest communities through the study of specific revolts.</li> <li>• Understand how oral traditions can be used to explore tribal revolts.</li> </ul>	Video <ul style="list-style-type: none"> <li>• Forest society and Colonialism</li> </ul>	<ul style="list-style-type: none"> <li>• Assignment               <ul style="list-style-type: none"> <li>○ Forest Society and Colonialism</li> <li>○ Democratic Rights</li> </ul> </li> <li>• Timeline/ Concept Mapping</li> <li>• Discussion of Scoring Points/ Marking Scheme/ Sample Questions</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Core Skills</b> <ul style="list-style-type: none"> <li>○ Critical thinking, Decision Making, Self Awareness, Empathy</li> </ul> </li> <li>• <b>Art Integration</b> <ul style="list-style-type: none"> <li>○ Debate on ‘Colonial forest laws and deforestation in India’</li> </ul> </li> <li>• <b>Inter disciplinary linkages</b> <ul style="list-style-type: none"> <li>○ Geography, Sociology</li> </ul> </li> </ul>
<b>Topic:</b> Democratic Rights <b>No. of Periods:</b> 10	<ul style="list-style-type: none"> <li>• Life with outrights</li> <li>• Rights in a Democracy</li> <li>• Rights in the Indian Constitution</li> <li>• Expanding the scope of rights</li> </ul>	<ul style="list-style-type: none"> <li>• Recognize the need for rights in one’s life.</li> <li>• Understand the availability /access of rights in a democratic system/government.</li> <li>• Identify and be able to comprehend the Fundamental Rights given by the Indian Constitution to its citizens.</li> <li>• Create awareness regarding the process of safeguarding rights.</li> </ul>	Video <ul style="list-style-type: none"> <li>• Fundamental Rights</li> </ul>	<ul style="list-style-type: none"> <li>• Assignment</li> <li>• Timeline/ Concept Mapping</li> <li>• Discussion of Scoring Points/ Marking Scheme/ Sample Questions</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Core Skills</b> <ul style="list-style-type: none"> <li>○ Logical thinking, Self Awareness, Empathy, Decision making</li> </ul> </li> <li>• <b>Art Integration</b> <ul style="list-style-type: none"> <li>○ Discussion on the expanding scope of rights</li> </ul> </li> <li>• <b>Inter disciplinary Linkages</b> <ul style="list-style-type: none"> <li>○ History, Sociology</li> </ul> </li> </ul>



Month Topic	Sub Topic	Learning Objectives	Audio Visual Inputs	Miscellaneous	Core Skills/Art Integration/ Interdisciplinary Linkages
<b>Topic:</b> Poverty as a Challenge <b>No. of Periods:</b> 12	<ul style="list-style-type: none"> <li>Two typical cases of poverty</li> <li>Poverty as seen by Social Scientists</li> <li>Poverty Estimates</li> <li>Vulnerable Groups</li> <li>Interstate disparities</li> <li>Global Poverty Scenario</li> <li>Causes of Poverty</li> <li>Anti-poverty measures</li> <li>The Challenges Ahead</li> </ul>	<ul style="list-style-type: none"> <li>Understand poverty as a challenge.</li> <li>Identify vulnerable group and interstate disparities</li> <li>Appreciate the initiatives of the government to alleviate poverty.</li> </ul>	Video <ul style="list-style-type: none"> <li>Poverty in India – Causes and Alleviation</li> </ul>	<ul style="list-style-type: none"> <li>Assignment               <ul style="list-style-type: none"> <li>Poverty as a Challenge</li> </ul> </li> <li>Timeline/ Concept Mapping</li> <li>Discussion of Scoring Points/ Marking Scheme/ Sample Questions</li> </ul>	<ul style="list-style-type: none"> <li><b>Core Skills</b> <ul style="list-style-type: none"> <li>Critical thinking, Problem solving, Decision Making, Empathy, Managing Emotions</li> </ul> </li> <li><b>Art Integration</b> <ul style="list-style-type: none"> <li>Debate on current government's poverty alleviation programmes</li> </ul> </li> <li><b>Interdisciplinary Linkages</b> <ul style="list-style-type: none"> <li>History sociology</li> </ul> </li> </ul>
<b>December Topic:</b> Natural Vegetation and Wild Life <b>No. of Periods:</b> 09	<b>Periodic Test - 2</b>				
	<ul style="list-style-type: none"> <li>Factors affecting Vegetation</li> <li>Vegetation types</li> <li>Wildlife</li> <li>Conservation</li> </ul>	<ul style="list-style-type: none"> <li>Explain the nature of diverse flora and fauna as well as their distribution.</li> <li>Develop concern about the need to protect the biodiversity of our country.</li> </ul>	Video <ul style="list-style-type: none"> <li>Natural vegetation and wildlife</li> </ul>	<ul style="list-style-type: none"> <li>Assignment               <ul style="list-style-type: none"> <li>Natural Vegetation and Wildlife</li> <li>Population</li> </ul> </li> <li>Timeline/ Concept Mapping</li> <li>Discussion of Scoring Points/ Marking Scheme/ Sample Questions</li> <li>Project               <ul style="list-style-type: none"> <li>Final Submission</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li><b>Core Skills</b> <ul style="list-style-type: none"> <li>Critical thinking, Problem solving, Decision Making, Empathy, Self-Awareness</li> </ul> </li> <li><b>Art Integration</b> <ul style="list-style-type: none"> <li>Make a list of endangered species of wildlife and make a presentation on ways of conserving them</li> </ul> </li> <li><b>Interdisciplinary Linkages</b> <ul style="list-style-type: none"> <li>History, Sociology, Economics</li> </ul> </li> </ul>
<b>Topic:</b> Population <b>No. of Periods:</b> 09	<ul style="list-style-type: none"> <li>Size</li> <li>Distribution</li> <li>Population Growth and Process of Population Change</li> </ul>	<ul style="list-style-type: none"> <li>Analyze the uneven nature of population distribution and show concern about the large size of our population.</li> <li>Identify the different occupations of people and explain various factors of population change.</li> <li>Explain various dimensions of National Population Policy and understand the same</li> </ul>	Video <ul style="list-style-type: none"> <li>Population of India</li> </ul>		<ul style="list-style-type: none"> <li><b>Core Skills</b> <ul style="list-style-type: none"> <li>Critical thinking, Problem solving, Decision Making, Interpersonal Relationship</li> </ul> </li> <li><b>Art Integration</b> <ul style="list-style-type: none"> <li>Discussion on how to convert India's population into resource</li> </ul> </li> </ul>

Month Topic	Sub Topic	Learning Objectives	Audio Visual Inputs	Miscellaneous	Core Skills/Art Integration/ Interdisciplinary Linkages
		needs of adolescents as underserved group.			<ul style="list-style-type: none"> <li>• <b>Interdisciplinary Linkages</b> <ul style="list-style-type: none"> <li>○ History, Sociology</li> </ul> </li> </ul>
<b>Topic:</b> Food Security in India <b>No. of Periods:</b> 10	<ul style="list-style-type: none"> <li>• Overview</li> <li>• What is Food Security?</li> <li>• Why Food Security?</li> <li>• Who are food insecure?</li> <li>• Food Security in India</li> <li>• What is Buffer Stock?</li> <li>• What is the Public Distribution System?</li> <li>• Current Status of Public Distribution System</li> </ul>	<ul style="list-style-type: none"> <li>• Understand the concept of food security</li> <li>• Appreciate and analyze the role of government in ensuring food supply.</li> </ul>	Video <ul style="list-style-type: none"> <li>• Food security in India</li> </ul>	<ul style="list-style-type: none"> <li>• Assignment               <ul style="list-style-type: none"> <li>○ Food Security In India</li> </ul> </li> <li>• Timeline/ Concept Mapping</li> <li>• Discussion of Scoring Points/ Marking Scheme/ Sample Questions</li> <li>• Project               <ul style="list-style-type: none"> <li>○ Final Submission</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• <b>Core Skills</b> <ul style="list-style-type: none"> <li>○ Critical thinking, Problem solving, Decision Making, Interpersonal Relationship</li> </ul> </li> <li>• <b>Art Integration</b> <ul style="list-style-type: none"> <li>○ Discussion on ways of ensuring food security in India</li> </ul> </li> <li>• <b>Interdisciplinary Linkages</b> <ul style="list-style-type: none"> <li>○ History, Sociology, Political Science</li> </ul> </li> </ul>
<b>January</b>	<b>Revision</b>				
<b>February</b>	<b>Annual Examination</b>				

# ANNUAL CURRICULUM PLAN

CLASS -IX(SESSION: 2023-24)

## Computer Science

Computer Science	Term-1	Term-2
	<ul style="list-style-type: none"><li>➤ <b>HTML Project</b><ul style="list-style-type: none"><li>• The River system of India</li></ul></li><li>➤ <b>Power Point Presentation</b><ul style="list-style-type: none"><li>• Mission Mangal</li></ul></li><li>➤ <b>'C' Programming</b><ul style="list-style-type: none"><li>• Assignment of complete grade sheet of student</li></ul></li></ul>	<ul style="list-style-type: none"><li>➤ <b>Power Point Presentation</b><ul style="list-style-type: none"><li>• School Presentation</li><li>• Science- Structure of Atom</li><li>• social-Disaster Management</li><li>• Global Warming- Save energy &amp; Reduce Pollution</li><li>• Product Advertisement- Mobile</li><li>• Trends in Wireless Computing</li></ul></li><li>➤ <b>MS Excel</b><ul style="list-style-type: none"><li>• Preparing entire Mark sheet along with all subject marks, total, percentage &amp; Grades</li></ul></li><li>➤ <b>MS Word</b><ul style="list-style-type: none"><li>• Bio data</li><li>• Application</li></ul></li></ul>

**Schedule & Syllabus (Projects) (Session:  
2023-2024)**

**Curriculum Plan of Computer  
Science (Session: 2023-2024)**

**Book Prescribed: Zoom Into computers**

Month	Theory	Activities	Practical /Project
<b>April -</b> Learn To Use Access 2007	<ul style="list-style-type: none"> <li>➤ Introduction of HTML</li> <li>➤ Features of HTML</li> <li>➤ Tools required to create a web page</li> <li>➤ Terms in HTML</li> <li>➤ Structure of an HTML Document</li> <li>➤ Creating &amp; saving HTML document with text editor</li> <li>➤ Viewing an HML document in web browser</li> <li>➤ Adding headers</li> <li>➤ Adding paragraphs</li> <li>➤ Adding line breaks</li> <li>➤ Drawing horizontal line               <ul style="list-style-type: none"> <li>• adding color , width to lines</li> </ul> </li> <li>➤ Formatting text</li> <li>➤ Marquee text</li> <li>➤ Adding comments</li> <li>➤ Setting background color</li> <li>➤ Inserting images</li> <li>➤ Setting image as a background</li> <li>➤ Creating lists</li> <li>➤ Creating Tables</li> <li>➤ Inserting pictures, images</li> <li>➤ Inserting Hyperlink</li> </ul>	<ul style="list-style-type: none"> <li>➤ Understand the tools required to create web page               <ul style="list-style-type: none"> <li>• Text editor</li> <li>• A Web Browser</li> <li>• A web Server</li> </ul> </li> <li>➤ Terms in HTML</li> <li>➤ HTML Tag-               <ul style="list-style-type: none"> <li>• Empty- nonempty</li> <li>• Attributes</li> <li>• Values</li> <li>• Nesting tags</li> <li>• Special symbols</li> </ul> </li> <li>➤ Structure of HTML</li> <li>➤ Basic syntax of HTML</li> <li>➤ Creating HTML document in text editor- Notepad</li> <li>➤ Saving it as name.html</li> <li>➤ Viewing the same in web browser</li> <li>➤ Create web page using HTML</li> <li>➤ Add header, paragraph, line breaks</li> <li>➤ Draw horizontal rules &amp; add color to the lines</li> </ul>	<ul style="list-style-type: none"> <li>➤ Lab</li> <li>Html tag practice for               <ul style="list-style-type: none"> <li>• List,</li> <li>• Tables</li> <li>• Images</li> <li>• Hyperlink</li> <li>• Audios</li> <li>• Vedios</li> </ul> </li> <li>➤ <b>HTML Project</b> <ul style="list-style-type: none"> <li>• The River system of India</li> </ul> </li> </ul>

		<ul style="list-style-type: none"> <li>➤ change font, font size, font color and font style</li> <li>➤ Add Marque effect</li> <li>➤ Add comment in HTML document</li> <li>➤ Insert images</li> <li>➤ Change the background</li> <li>➤ Create tables</li> <li>➤ Create Lists <ul style="list-style-type: none"> <li>• ordered list</li> <li>• unordered list</li> <li>• nested list</li> <li>• Definition list</li> </ul> </li> <li>➤ Insert hyperlinks</li> </ul>	
<b>May</b>	<b>Vacation</b>		
<b>June</b> The Computer System	<ul style="list-style-type: none"> <li>➤ Introduction</li> <li>➤ Characteristics of a Computer System</li> <li>➤ Applications of a Computer System</li> <li>➤ Components of a Computer System : Input Unit, Central Processing Unit (CPU), Output Unit, Secondary Memory</li> <li>➤ Computer Peripherals</li> <li>➤ Input Devices Keyboard, Mouse, Joystick, Trackball, Scanner, OCR, MICR, OMR, Bar Code Reader, Microphone, Light Pen, Digital Camera, Web Camera</li> <li>➤ Output Devices : Visual Display Unit, Printers, Plotters, Speakers Robots and Machine Tools</li> <li>➤ Concept of Computer Memory : Primary Memory, Cache memory, Units of memory, Secondary Memory</li> </ul>	<ul style="list-style-type: none"> <li>➤ Make a list of Input and Output devices found on the computers in your computer laboratory.</li> <li>➤ If you have scanner in your lab or home scan your photograph and store it on the hard disk.</li> <li>➤ Try to find out the size of RAM on the computer you are working on.</li> </ul>	

Month	Theory	Activities	Practical /Project
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<p><b>July</b> Computer Languages And Software</p>	<ul style="list-style-type: none"> <li>➤ Introduction</li> <li>➤ Types of Computer Languages : Low Level languages, High Level Languages, 4GLs</li> <li>➤ Generation of Languages</li> <li>➤ Classification of Computer Software : System Software, Application Software, Utility Software</li> </ul>	<ul style="list-style-type: none"> <li>➤ Make a list of third generation languages.</li> <li>➤ Make a list of various database management system software and also state their advantages</li> <li>➤ What operating system software does your server use?</li> <li>➤ Use the Disk Management tools, Disk Cleanup and Disk Defragmenter.</li> <li>➤ To open Disk Cleanup, click Start All Programs-Accessories-System Tools-Disk Clean up.Or Click Start, click Run, and then type clean mgr</li> <li>➤ Open Disk Defragmenter and check out the options the dialog box provides.To open Disk Defragmenter, click Start-All Programs Accessories-System Tools-Disk Defragmenter.</li> </ul>	
<p><b>August</b> <b>Communication Technology</b></p>	<ul style="list-style-type: none"> <li>➤ Introduction</li> <li>➤ Computer Network: Need for Computer Network</li> <li>➤ Types of Computer Networks</li> <li>➤ Internet: Application Areas of Internet, Internet Requirements</li> <li>➤ Modem: Internal Modem, External Modem</li> <li>➤ Components of a Computer Network</li> <li>➤ Types of Communication Medium: Wired Networking Technology. Wireless Networking Technology</li> <li>➤ Data Vs Information</li> <li>➤ Multimedia : Data vs Multimedia, Elements of Multimedia, Some Applications Areas of Multimedia, Hardware Requirements for</li> </ul>	<ul style="list-style-type: none"> <li>➤ Do you have a computer network in your computer lab or at school? If yes, how many workstations are connected to it?</li> <li>➤ If you have different networks in your lab and school, identify the position of the main servers.</li> <li>➤ Which operating system software does your server use?</li> <li>➤ Open a multimedia software and listen to your favourite song and check out a few photographs</li> </ul>	<p>Make a list of the latest networking devices, communication media and their uses</p>

	Multimedia, File Formats		
<b>September</b>	<b>Lab- Practical – HTML &amp; Practical exam for Term-1</b> <b>HALF YEARLY EXAMINATION- Project</b>		

<b>Month</b>	<b>Theory</b>	<b>Activities</b>	<b>Practical /Project</b>
<b>October</b> Operating System	<ul style="list-style-type: none"> <li>➤ Introduction</li> <li>➤ What is an Operating System? Need for an Operating System</li> <li>➤ Functions of Operating System</li> <li>➤ Types of Operating System : Types of Operating System Based on User Interaction, Types of Operating System Based on Their Functionality</li> <li>➤ Commonly Used Operating Systems Windows, Unix, Mac S. Linux. Solaris, Boss</li> <li>➤ Mobile Operating System: Android, Symbian, iOS, Windows Mobile</li> </ul>	<ul style="list-style-type: none"> <li>➤ Describe all the functions of an operating system</li> <li>➤ Give examples for each of the following operating systems.               <ul style="list-style-type: none"> <li>• GUI</li> <li>• CUI</li> <li>• Single User</li> <li>• Multi-User</li> <li>• Real-Time</li> <li>• Distributed</li> </ul> </li> </ul>	
<b>November</b> Advanced Features Of Microsoft Word	<ul style="list-style-type: none"> <li>➤ Introduction</li> <li>➤ Auto Formatting a Table</li> <li>➤ Inserting Shapes : Grouping and Ungrouping Shapes</li> <li>➤ Inserting Mathematical Symbols and Equations</li> <li>➤ Track Changes : How to Do Track Changes, Accepting or Rejecting Changes Review Comments</li> <li>➤ Mail Merge: Components of a Mail Merge,</li> </ul>	<ul style="list-style-type: none"> <li>➤ Create a birthday card for your best friend using Word Art, ClipArt and Shapes</li> <li>➤ Set Track changes feature enabled. Make changes on five different lines in your document. Notice the redlines appearing under the changes. Accept three changes and reject the other two using options from theChanges group on the</li> </ul>	<ul style="list-style-type: none"> <li>➤ Prepare a tabular data in MS Word with the names of at least ten countries with their capital and currency Apply Auto-formatting on the table.</li> <li>➤ <b>MS Word</b> <ul style="list-style-type: none"> <li>• Bio data</li> <li>• Application</li> </ul> </li> </ul>

	<p>Performing a Mail Merge.</p> <ul style="list-style-type: none"> <li>➤ Keyboard Shortcuts in MS Word</li> </ul>	<p>Review tab.</p> <ul style="list-style-type: none"> <li>➤ Create an invitation card for your birthday party. Send it to five friends using mail merge.</li> </ul>	
<p><b>December</b> Introduction To Microsoft Excel &amp; Formulae, Functions And Charts</p>	<ul style="list-style-type: none"> <li>➤ Introduction,</li> <li>➤ What is a Spreadsheet?</li> <li>➤ Features of MS Excel.</li> <li>➤ Exploring MS Excel: Launching and Exiting MS Excel, MS Excel Basics, Components of an MS Excel window</li> <li>➤ Working with MS Excel : Creating a Worksheet, Working with a Worksheet : Entering Numbers, Text. Formulae, Date Time, Saving a Workbook, Auto Fill Feature in MS Excel</li> <li>➤ Editing and Formatting Worksheets : Simple Editing, Changing Font, Colour, Size, Text Alignment Orientation</li> <li>➤ Formatting Numbers, Shortcuts for Number Formatting</li> <li>➤ Adding Borders to Cells</li> <li>➤ Adjusting Row Height and Column Width</li> <li>➤ Inserting Blank Cells, Rows, Columns,</li> <li>➤ Deleting Cells Rows, Columns: Erasing Data in the Cells, Erasing Data in Entire Worksheet</li> <li>➤ Keyboard Shortcuts in MS Excel</li> <li>➤ Using Formulae</li> <li>➤ Operators : Arithmetic Operators, Comparison Operators,</li> <li>➤ Copying Formulae</li> <li>➤ Types of Cell Referencing : Relative Referencing, Absolute Referencing. Mixed Referencing,</li> </ul>	<p>Review tab.</p> <ul style="list-style-type: none"> <li>➤ Create a worksheet showing numbers and their different formats</li> <li>➤ On a worksheet create the following different series using AutoFill features or dragging <ul style="list-style-type: none"> <li>• Days of the week</li> <li>• Months of the year</li> <li>• Multiples of nine</li> <li>• R01,R02,R03..</li> </ul> </li> <li>➤ Create the following worksheet and save the worksheet and save the worksheet as AdhocPay.xlsx</li> </ul>	<ul style="list-style-type: none"> <li>➤ <b>MS Excel</b> <ul style="list-style-type: none"> <li>• Preparing entire Mark sheet along with all subject marks, total, percentage &amp; Grades</li> </ul> </li> </ul>



	<ul style="list-style-type: none"> <li>➤ Using Functions : Sum, Average Count, Max, Min, IF</li> <li>➤ Using AutoSum</li> <li>➤ Using the Function Wizard</li> <li>➤ Charts in MS Excel: Type of Charts, Components of a Chart, Inserting Charts</li> <li>➤ Formatting Charts: Changing Chart Type, Changing Chart Options, Changing Colours on the Chart</li> <li>➤ Printing Worksheets/Charts</li> <li>➤ Adding Data Tables into MS Excel</li> <li>➤ Keyboard Shortcuts in MS Excel</li> </ul>		
<p><b>January</b> Microsoft Power point</p>	<ul style="list-style-type: none"> <li>➤ Introduction</li> <li>➤ Presentation Software</li> <li>➤ Features and Applications of MS PowerPoint</li> <li>➤ Exploring MS Power Point Launching and Exiting MS PowerPoint,</li> <li>➤ Components of MS PowerPoint Window Title bar, Ribbon, Quick Access Toolbar, Office button, View Buttons, Status Bar, Ruler, Slide</li> <li>➤ Different Views of Slides Normal View, Slide Sorter View Slide Show View</li> <li>➤ Working With Microsoft PowerPoint Creating a PowerPoint Presentation, Slide layouts, Adding a New Side, Selecting Multiple Slides, Deleting a Slide. Moving or Rearranging a Slide, Adding Titles and Subtitles</li> <li>➤ Formatting a Slide Changing Slide Design, Changing Slide Layout, Changing Colour Schemes, Editing Colour Schemes Changing Slide Background, Formatting Fonts, Adding</li> </ul>	<ul style="list-style-type: none"> <li>➤ Create this presentation on Air Pollution <ul style="list-style-type: none"> <li>• Modify slides by adding data into tables, charts, etc.</li> <li>• Convert all titles using Word Art.</li> <li>• Insert date on right corner of each slide.</li> <li>• Give transition effects</li> <li>• Animate the text and pictures</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>➤ <b>Power Point Presentation</b> <ul style="list-style-type: none"> <li>• School Presentation</li> <li>• Science- Structure of Atom</li> <li>• social-Disaster Management</li> <li>• Global Warming- Save energy &amp; Reduce Pollution</li> <li>• Product Advertisement- Mobile Trends in Wireless Computing</li> </ul> </li> </ul>

	<p>Bullets and Numbering.</p> <ul style="list-style-type: none"> <li>➤ Inserting Header and Footer</li> <li>➤ Inserting Pictures Inserting Pictures from Clipart, Inserting Charts &amp; SmartArt, Inserting Shapes,</li> <li>➤ Grouping and Ungrouping Objects,</li> <li>➤ Inserting Tables,</li> <li>➤ The Slide Master</li> <li>➤ Watermarks : Adding a Watermark, Setting Watermark as a Background</li> <li>➤ Adding Sound Effects</li> <li>➤ Adding Animation Schemes</li> <li>➤ Creating Slide Shows Setting up a Slide Show, Rehearsing Slide Timings, Viewing a Slide Show</li> <li>➤ Printing Slide Handout</li> <li>➤ Keyboard Shortcuts in MS PowerPoint</li> </ul>		
<b>February</b>	<p><b>Lab Practice For MS Word, MS Power point, MS Word and Practical Annual Examination</b></p> <p><b>Project - MS Word, MS Power point, MS Word</b></p>		