



**Bal Bharati**  
**PUBLIC SCHOOL**

Solan

# **ANNUAL PEDAGOGY PLAN**

**(2024-25)**

**Class: IX**



<https://bbpssolan.balbharati.org>

## SUBJECT: ENGLISH (184)

### ❖ BOOKS

**Beehive** - Course Book- NCERT book

**Moments** - Supplementary Reader NCERT book

MONTH	NO. OF WORKING DAYS	COURSE CONTENT	LEARNING OUTCOMES	SKILL	TEACHING METHOD
March	22	<p><b>Beehive</b>- The Fun They Had The Road Not Taken</p> <p><b>Moments</b>- The Lost Child</p> <p><b>Writing</b>- Story Writing</p> <p><b>Grammar</b>- Verb Forms</p>	<p>-To enable the students about Robots and Robotic Teachers.</p> <p>- Identify and explain the significance of essential elements in poetry.</p> <p>-Understanding and appreciation of the works of Robert Frost</p> <p>-To locate specific information while reading</p> <p>-Development of comprehension skills.</p> <p>- To be able to use correct grammatical structure in a sentence.</p>	<p>❖ Evaluate, analyze, recall,</p> <p>❖ extrapolate, think critically curiosity</p>	<ul style="list-style-type: none"> <li>• Guided</li> <li>• Discussion</li> <li>• Problem-solving Based learning Peer teaching</li> <li>• Self-assessment</li> </ul>
April	22	<p><b>Beehive</b>- Wind, The Sound of Music</p> <p><b>Moments</b>- The Adventures of Toto</p>	<p>- To develop an understanding of the main idea of the poem.</p> <p>-Understanding of literary devices</p> <p>-To locate specific information while reading.</p> <p>- To understand and empathize with the central character.</p>	<p>❖ Evaluate, Recall, Extrapolate Observation Curiosity</p>	<ul style="list-style-type: none"> <li>• Listening comprehension</li> <li>• Conversation</li> <li>• Dialogue Writing</li> </ul>

		<p><b>Writing-</b> Story Writing</p> <p><b>Grammar-</b> Editing, Tenses</p>	<p>-Understanding and appreciation of the title</p> <p>- Inculcating sensitivity towards animals</p> <p>-Development of comprehension skills.</p>		
<b>May</b>	<b>18</b>	<p><b>Beehive-</b> The Little Girl, The Lake Isle of Innisfree,</p> <p><b>Moments-</b> Ishwaran the Storyteller</p> <p><b>Writing-</b> Diary Entry</p> <p><b>Grammar-</b> Modals and Determiners</p>	<p>-To enable the learners to think creatively.</p> <p>-Learning about characterization and self-analysis.</p> <p>-To develop the students' critical thinking ability.</p> <p>-To develop an understanding of the main idea of the poem.</p> <p>- Development of the skill to sequence events.</p> <p>-Development of comprehension skills</p>	<p>❖ Expressing Analytical thinking Simulate</p> <p>❖ The collaborative effort and team spirit</p>	<ul style="list-style-type: none"> <li>● Pair Work</li> <li>● Extempore</li> <li>● Written assignment</li> </ul>
<b>June</b>	<b>18</b>	<p><b>Beehive -</b> A Truly Beautiful Mind Rain on the Roof</p> <p><b>Moments-</b> In the Kingdom of Fools</p> <p><b>Writing-</b> Descriptive Paragraph Integrated</p> <p><b>Grammar -</b> (Reported Speech)</p>	<p>-To enable the learners to think imaginatively and write creatively.</p> <p>-Learning about characterization.</p> <p>- Use correct grammatical structures, organize and express ideas coherently</p> <p>-To develop an understanding of the poem's main idea through the poet's perspective of life.</p> <p>- To acquire grammatical accuracy</p> <p>-Development of creative writing skills and comprehension skills</p> <p>-To plan, organize, and present ideas in a coherent manner.</p>	<p>❖ Analyze Empathy Visualize Perceive Observation</p>	<ul style="list-style-type: none"> <li>● Dictionary</li> <li>● Internet , Newspaper</li> </ul>

<p><b>July</b></p>	<p><b>18</b></p>	<p><b>Beehive</b> - A Legend of the Northland My Childhood <b>Moments</b> - The Happy Prince</p> <p><b>Writing</b>- Descriptive Paragraph</p>	<p>-To enable the learners to think creatively.</p> <p>-Learning about characterization and self-analysis.</p> <p>-To develop the students' critical thinking ability.</p> <p>-To develop the writing skill and write paragraph on given situation/topic.</p>	<p>❖ Logical thinking Observational skills Recognize structure Evaluation</p>	<ul style="list-style-type: none"> <li>● Research Work</li> <li>● Gathering Information</li> <li>● Deductive Reasoning Group Work.</li> </ul>
<p><b>August</b></p>	<p><b>24</b></p>	<p><b>Beehive</b> - No Men are Foreign Reach for the Top</p> <p><b>Moments</b> - The Happy Prince</p> <p><b>Writing:</b> Story composition</p> <p><b>Grammar</b> - Integrated grammar</p>	<p>-To enhance the knowledge about poetic devices</p> <p>-To enhance the ability to move beyond the text for extrapolation.</p> <p>-To develop the writing skills of the students.</p> <p>-The learners will be able to identify and explain the significance of essential elements in poetry.</p> <p>- Read texts actively recognize key passages; raise questions; comprehend the literal and figurative uses of language.</p> <p>-Enhancement of the students' inferential skills</p>	<p>❖ Conceptualization Analytical thinking Simulate Collaborative effort and team spirit</p>	<ul style="list-style-type: none"> <li>● Guided Discussion</li> <li>● Problem-solving based learning</li> <li>● Peer teaching Self-assessment</li> </ul>
<p><b>September</b></p>	<p><b>18</b></p>	<p><b>Beehive</b> - If I were you, A Slumber did my Spirit Seal</p>	<p>-To facilitate the understanding of the text and enhance vocabulary.</p> <p>-To enhance the ability to move beyond the text for extrapolation.</p>	<p>❖ Evaluate, analyze, recall, extrapolate, think critically</p>	<ul style="list-style-type: none"> <li>● Listening comprehension</li> <li>● Conversation</li> <li>● Dialogue Symposium</li> </ul>

		<p><b>Moments</b> - The Last Leaf</p> <p><b>Writing</b> - Descriptive Paragraph</p>	<p>-The learners will be able to identify and explain the significance of essential elements in poetry.</p> <p>-To develop the writing skills of the students.</p> <p>Read texts actively, recognize key passages; raise questions; comprehend the literal and figurative uses of language.</p> <p>- Enhancement of the students' inferential skills</p>		
<b>October</b>	<b>20</b>	<p><b>Beehive</b> - Kathmandu</p> <p><b>Moments</b> - A House is Not a Home The Beggar</p> <p><b>Writing</b> - Descriptive Paragraph</p> <p><b>Grammar</b> – Gap filling, Editing.</p>	<p>-To facilitate the understanding of the text and enhance vocabulary.</p> <p>-To enhance the ability to move beyond the text for extrapolation.</p> <p>-To develop the writing skills of the students. -Read texts actively recognize key passages raise questions.</p> <p>- Acquisition of grammatical accuracy.</p>	❖ Evaluate, analyze, recall, extrapolate, think critically	<ul style="list-style-type: none"> <li>• Listening</li> <li>• Comprehension</li> <li>• Conversation / Dialogue, Symposium</li> </ul>
<b>November</b>	<b>22</b>	<b>REVISION</b>			
<b>December</b>	<b>24</b>	<b>ANNUAL EXAMINATION</b>			

## SUBJECT: HINDI (085)

- पाठ्यपुस्तक
- ❖ स्पर्श भाग-1
- ❖ संचयन भाग-1
- ❖ व्यावहारिक व्याकरण

महीने	कार्य दिवसों की संख्या	विषयवस्तु	शिक्षण उद्देश्य	कौशल विधि	शिक्षण युक्तियाँ
मार्च	22	<b>स्पर्श (1-भाग)</b> दुःख का अधिकार एवरेस्ट मेरी शिखर यात्रा  <b>व्याकरण:</b> अनुस्वार और मुनासिक शब्द	<ul style="list-style-type: none"><li>• निर्धनों के प्रति सद्भावना का विकास तथा अंधविश्वास से अवगत करवाना</li><li>• साहसिक कार्यों के प्रति प्रेरित</li></ul>	<ul style="list-style-type: none"><li>• श्रवण -कौशल - पाठ से कवि के विचारों की पहचान कर पाठ का औपचारिक सारांश बता सकेंगे</li><li>• वाचन कौशल - पाठ पढ़ने की योग्यता का विकास</li></ul>	<ul style="list-style-type: none"><li>• प्रश्नोत्तरी</li><li>• व्यक्ति की पहचान उसकी पोशाक से होती है विषय पर कक्षा में परिचर्चा</li><li>• तेनजिंग शेरपा की पहली चढ़ाई के बारे में जानकारी एकत्रित करना</li></ul>
अप्रैल	22	<b>स्पर्श (1-भाग)</b> अब कैसे छूटे राम नाम तुम कब जाओगे अतिथि	<ul style="list-style-type: none"><li>• मानवीय मूल्यों की ओर प्रेरित करना</li></ul>	<ul style="list-style-type: none"><li>• वाचन कौशल - पदों के मूल्य उद्देश्यों से परिचित</li><li>• श्रवण कौशल- भाषा की</li></ul>	<ul style="list-style-type: none"><li>• रदैस के पदों को गाकर सुनाना</li><li>• अपने घर आए अतिथियों का सत्कार का अनुभव</li></ul>

		<p><b>व्याकरण :</b> उपसर्ग <b>लेखन भाग :</b> संवाद लेखन</p>	<ul style="list-style-type: none"> <li>• अतिथि सत्कार के परम्पराओं के बारे में ज्ञान प्राप्त करवाना</li> </ul>	<p>विविध प्रकारों की पहचान कर पायेंगे और पढ़ते समय मुहावरों के अर्थ को समझ कर वाक्य में प्रयोग करेंगे</p>	<p>कक्षा में सुनायेंगे</p>
<b>मई</b>	18	<p>रहीम के दोहे <b>संचयन (I- भाग)</b> गिल्लू <b>व्याकरण :</b>प्रत्यय <b>लेखन भाग :</b> अनौपचारिक पत्र</p>	<ul style="list-style-type: none"> <li>• दोहे के माध्यम से समाज की कुरीतियों से अवगत करवाना</li> <li>• पशु पक्षियों के प्रति प्रेम एवं उनके सरक्षण की भावना जागृत करना</li> </ul>	<ul style="list-style-type: none"> <li>• पठन कौशल- क्रमानुसार पाठ का पठन करना</li> <li>• वाचन कौशल - अपना मनपसंद दोहा गायन के रूप में प्रस्तुत करना</li> <li>• श्रवण कौशल - दोहों को ध्यान से सुनकर उनका अर्थ ग्रहण करना</li> </ul>	<ul style="list-style-type: none"> <li>• पीपीटी</li> <li>• सामूहिक चर्चा</li> <li>• कहानी लेखन</li> </ul>
<b>जून</b>	18	<p>गीत अगीत <b>संचयन (I- भाग)</b> समृति  <b>व्याकरण :</b>स्वर संधि <b>लेखन भाग :</b> चित्र वर्णन</p>	<ul style="list-style-type: none"> <li>• प्राकृतिक सौंदर्य तथ जीव जन्तुओं के मानत्व, माविया राग और प्रेम भाव जागृत करना</li> <li>• कठिन परिस्थितियों का सामना करने की सीख</li> </ul>	<ul style="list-style-type: none"> <li>• श्रवण कौशल - छात्र अंश का वाचन करते हुए शब्दों के अर्थ सहित भावों पर चर्चा</li> <li>• पठन कौशल - समूह में बैठे छात्र उचित आरोह अवरोह तथा शुद्ध उच्चारण के साथ पाठ पठन करेंगे</li> </ul>	<ul style="list-style-type: none"> <li>• प्रकृति से सम्बन्धित गीत कक्षा में सुनाना</li> <li>• अपने बुजुर्गों से उनकी बचपन की कहानियाँ सुनना तथ कक्षा में बताना</li> </ul>

जुलाई	18	अग्निपथ वैज्ञानिक चेतना के वाहक चंद्रशेखर व्याकरण :विराम चिन्ह	<ul style="list-style-type: none"> <li>सफलता प्राप्त करने के लिए जीवन में संघर्षों का सामना , लगन व आत्मविश्वास से करना</li> <li>वैज्ञानिक गतिविधियों तथा प्रयोग की और उन्मुख करना</li> </ul>	<ul style="list-style-type: none"> <li>श्रवण कौशल - कविता को ध्यान से सुनकर उनका अर्थ ग्रहण करना</li> <li>पठन कौशल - पाठ से वर्णित घटनाओं की सूची बनाना</li> </ul>	<ul style="list-style-type: none"> <li>जीवन संघर्ष का ही नाम है इस विषय पर कक्षा में परिचर्चा</li> <li>वैज्ञानिक खोजों, उपकरणों की सूची बनाइए, जिससे मानव जीवन बदल गया है</li> </ul>
अगस्त	24	संचयन (I- भाग) कल्लू कुम्हार की ऊनाकोटी मेरा छोटा सा निजी पुस्तकालय व्याकरणअर्थ के ,अपठित गद्यांश : आधार पर वाक्य भेद करना लेखन भागअनुच्छेद लेखन : संवाद लेखन	<ul style="list-style-type: none"> <li>त्रिपुरा राज्य के बारे में अवगत करवाना</li> <li>साहसिक गतिविधियों तथा प्रयोग की ओर उन्मुख करवाना</li> </ul>	<ul style="list-style-type: none"> <li>वाचन कौशल - त्रिपुरा राज्य की विकास संबंधी जानकारी देना</li> <li>लेखन कौशल- पाठ्य पुस्तक अभ्यास कार्य</li> </ul>	<ul style="list-style-type: none"> <li>त्रिपुरा राज्य के भौगोलिक स्थिति के बारे में बताना</li> <li>सामूहिक कार्य</li> <li>पुस्तकालय में नवीन पुस्तकों की सूची बनाना</li> </ul>
सितम्बर	18	नए इलाके में खुशबु रचते हाथ..... व्याकरणसमास ,अपठित गद्यांश : लेखन भाग : अनौपचारिक पत्र लेखन	<ul style="list-style-type: none"> <li>समाजिक असमानता को समझने व दूर करने में सक्षम होंगे</li> </ul>	<ul style="list-style-type: none"> <li>श्रवण कौशल - बाल श्रमिक विषय पार एक अनुच्छेद लेखन सुनाया जाएगा</li> <li>वाचन कौशल - स्त्री शिक्षा के महत्त्व पर चर्चा</li> </ul>	<ul style="list-style-type: none"> <li>बाल मजदूरी एक अभिशाप कक्षा में परिचर्चा करना</li> </ul>
अक्टूबर	20	शुक्र तारे के समान व्याकरण विराम चिन्ह ,अनुच्छेद :	<ul style="list-style-type: none"> <li>हमेशा कार्यरत रहना ,सज्जनता तथा सहृदयता से सबका मन जीतने के बारे में प्रेरित</li> </ul>	<ul style="list-style-type: none"> <li>श्रवण कौशल - लेखक के विचारों को पहचान कर पाठ का सारांश बता सकेगे</li> <li>वाचन कौशल - स्वतंत्रता</li> </ul>	<ul style="list-style-type: none"> <li>जलियांवाला बाग में हुई घटना को कक्षा में परिचर्चा करना</li> </ul>



			करना	आन्दोलन में गांधी जी का योगदान विषय पर चर्चा करेंगे	
नवम्बर	22	पुनरावृत्ति			
दिसम्बर	13	वार्षिक परीक्षा			

**SUBJECT: MATHEMATICS (041/241)**

Month	No. of Working Days	Content	Learning Outcome: Students will be able to :	Skill	Teaching Methodology
February & March	32	<p><b>CHAPTER 1: ( NUMBERS SYSTEM)</b></p> <p>1.1 Introduction 1.2 Irrational Numbers 1.3 Real Numbers and their Decimal Expansions 1.4 Operations on Real Numbers 1.5 Laws of Exponents for Real Numbers</p> <p><b>CHAPTER 2:</b></p>	<p>Recall representation of natural numbers, integers, rational numbers on the number line. write rational numbers as recurring/ terminating decimals. Use operations on real numbers. Give examples of non-recurring/non-terminating decimals.</p> <p>Define polynomial in one</p>	<p>Conceptualization Critical thinking, Expressing in mathematical Language Problem solving</p>	<p>Collaborative Learning Guided discussion Inductive and deductive learning Problem solving with examples</p>

		<p><b>(POLYNOMIALS)</b></p> <p>2.1 Introduction 2.2 Polynomials in One Variable 2.3 Zeroes of a Polynomial 2.4 Factorization of Polynomials 2.5 Algebraic Identities</p> <p><b>CHAPTER 3: (COORDINATE GEOMETRY)</b></p> <p>3.1 Introduction 3.2 Cartesian System</p>	<p>variable with examples and counter examples. Identify polynomial with specified degree and classify them. Analyze that a quadratic polynomial can have at most 2 zeroes and a cubic polynomial can have at most zeroes. Find zeroes of a polynomial.</p> <p>Acquire knowledge and understanding the basic concepts and terms associated with the coordinate plane. Describe the position of a point with reference to x axis and y-axis. Write the abscissa and ordinate of a point.</p>	<p>Observational skills Interpretation Extrapolation Analytical thinking Verification Synthesis Problem solving Aptitude</p> <p>Conceptualize Accuracy Values like importance of Team work Environment sensitivity</p>	<p>Collaborative learning Guided discussion Independent practice Problem solving with examples. Inductive and deductive Learning</p> <p>Think, pair and share, mid point discussion, Problem solving with examples</p>
April	22	<p><b>CHAPTER 4: ( LINEAR EQUATIONS IN TWO VARIABLES )</b></p> <p>4.1 Introduction 4.2 Linear Equations 4.3 Solution of a Linear Equation</p>	<p>Write linear equation in one variable and extend to that of linear equation in two variables. Write the equation in general form <math>ax + by + c = 0</math> Frame linear equations for a given situation.</p>	<p>Extrapolation, Synthesis, Accuracy Interpretation Appreciate linearity in nature, self-discipline</p>	<p>Collaborative learning, Guided discussion, Think pair and share, Brain storming, graphic organizer Brainstorming</p>

		<p><b>CHAPTER 5 : (INTRODUCTION TO EUCLID'S GEOMETRY)</b></p> <p>5.1 Introduction 5.2 Euclid's Definitions, Axioms and Postulates</p>	<p>Observe and explain the history of geometry in India and Euclid's geometry. Define the terms like axioms, postulates and theorems. Distinguish between axiom, postulate and theorem</p>	<p>Conceptual understanding, Observational skills</p>	<p>Inductive Deductive Reasoning, Inquiry based learning, Think , pair and share, Independent practice</p>
<p><b>May /June</b></p>	<p>36</p>	<p><b>CHAPTER 7: (TRIANGLES)</b></p> <p>7.1 Introduction 7.2 Congruence of Triangles 7.3 Criteria for Congruence of Triangles 7.4 Some Properties of a Triangle 7.5 Some More Criteria for Congruence of Triangles</p> <p><b>CHAPTER 6: (LINES AND ANGLES)</b></p> <p>6.1 Introduction 6.2 Basic Terms and Definitions 6.3 Intersecting Lines and Non-intersecting Lines 6.4 Pairs of Angles</p>	<p>Understand that 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). Prove that 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).</p> <p>Acquire knowledge and understanding of basic concepts and geometric terms. Recognize types of pair of angles and classify them.</p>	<p>Conceptual understanding, Recognition of similar figures in nature Observational skills Ability to visualize</p> <p>Conceptual understanding Observational skills Ability to visualize</p>	<p>Activity Method, inductive deductive method, Guided discussion, Peer Teaching, independent Problem solving with examples</p> <p>Think, pair and share, Brainstorming, Guided discussion, Collaborative learning, Problem solving with examples</p>

		6.5 Lines Parallel to the Same Line			
<b>July</b>	18	<b>CHAPTER 8: (QUADRILATERALS)</b>  8.1 Properties of a Parallelogram 8.2 The Mid-point Theorem  <b>CHAPTER12: (STATISTICS)</b> 12.1 Graphical Representation of Data	Define the properties of different quadrilaterals. Verify angle sum property of a quadrilateral. Apply angle sum property of a quadrilateral in solving questions.  Define raw data. Define the terms like statistics, data (primary, secondary). Construct a frequency distribution table to classify data	Conceptual understanding Recognition of similar figures in nature Observational skills Ability to visualize  Conceptualize Investigate Logical Thinking Extracting information Problem solving Interpretation Analytical skills Presentation	Inductive- Deductive reasoning, Problem Solving, Guided discussion, Independent practice, Brain storming  Graphic organizer, Think pair and share, Inductive and deductive reasoning, Brainstorming, inquiry based learning, Guided discussion, collaborative learning, Problem solving with examples
<b>August</b>	24	<b>CHAPTER 10: (AREAS) Heron Formula</b>  10.1 Area of a Triangle – by Heron’s Formula	Understand “Heron’s formula” to find the area of a triangle. Derive the formula for calculating the area of an equilateral triangle, isosceles right- angled triangle using ‘Heron’s formula’.	Conceptualize Investigate Logical Thinking	Think, Pair and share, Inquiry based learning, Inductive and deductive reasoning, Guided discussion, Collaborative learning
<b>September &amp; October</b>	38	<b>CHAPTER 9: (CIRCLES)</b> 9.1 Angle Subtended by a Chord at a Point 9.2 Perpendicular from the	Identify circular objects present in the surrounding. Arrive at definition of circle	Recognize underlying structure Justification	Brain storming , Guided discussion , Collaborative learning, Problem solving

		<p>Centre to a Chord            9.3 Equal Chords and their Distances from the Centre            9.4 Angle Subtended by an Arc of a Circle            9.5 Cyclic Quadrilaterals.</p> <p><b>CHAPTER 11:            (Surface area and Volume)</b></p> <p>11.1 Surface Area of a Right Circular Cone            11.2 Surface Area of a Sphere            11.3 Volume of a Right Circular Cone</p>	<p>and related concepts radius, circumference, chord, diameter, arc, secant, sector, segment, subtended angle through examples.            Understand the properties of circle.</p> <p>Find surface area of right circular cone, sphere, hemisphere.            Find volume of right circular cone, sphere, and hemisphere.            Apply the concept of perimeter, area and volume in day-to-day life situations.            Apply the formula of surface area and volume of 3 d shapes in solving questions.</p>	<p>Analytical thinking            Problem solving</p> <p>Conceptualize            Evaluate            Problem solving            Calculate            Formulate            Recognize structure            Critical thinking            Identify, visualize</p>	<p>Brain storming, inquiry based learning, Inductive and deductive reasoning, guided learning, problem solving</p>
<b>November</b>	22	<b>REVISION</b>			
<b>December</b>	13	<b>FINAL EXAMINATION</b>			

**SUBJECT: SCIENCE (086)**
















**PHYSICS**

Month	No. of Working Days	Content	Learning Outcome Students will be able to:	Skills	Teaching Methodology
March	22	<b>Ch. 7: Motion</b> 7.1 Describing Motion 7.2 Measuring the Rate of Motion 7.3 Rate of Change of Velocity	<ul style="list-style-type: none"> <li>To understand that rest and motion are relative.</li> <li>Differentiate between distance and displacement</li> <li>Calculate the average speed in a given situation.</li> <li>To correlate various physical quantities like distance, displacement, average speed, acceleration and retardation with day to day observations.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Analysis.</li> <li>✚ Critical Thinking</li> <li>✚ Curiosity.</li> <li>✚ Confidence.</li> <li>✚ Motivation.</li> <li>✚ Creativity.</li> <li>✚ Communication.</li> <li>✚ Decision making.</li> <li>✚ Problem Solving</li> </ul>	<ul style="list-style-type: none"> <li>✚ Demonstration cum lecture method</li> <li>✚ Guided Discussion</li> <li>✚ Activity based teaching</li> <li>✚ Problem solving based learning</li> <li>✚ 5 E's</li> <li>✚ Collaborative Learning</li> </ul>
April	22	<b>Ch. 7: Motion (cont.)</b> 7.4 Graphical Representation of Motion 7.5 Equations of Motion 7.6 Uniform Circular Motion	<ul style="list-style-type: none"> <li>Understand the importance of graphs for representing different types of motion.</li> <li>Identify the type of motion from d-t graph and v-t graph.</li> <li>Understand and evaluate speed, acceleration and distance from various graphs.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Analysis.</li> <li>✚ Critical Thinking</li> <li>✚ Curiosity.</li> <li>✚ Confidence.</li> <li>✚ Motivation.</li> <li>✚ Creativity.</li> <li>✚ Communication.</li> <li>✚ Problem solving</li> <li>✚ Decision making</li> </ul>	<ul style="list-style-type: none"> <li>✚ Demonstration cum lecture method</li> <li>✚ Guided Discussion</li> <li>✚ Activity based teaching</li> <li>✚ Problem solving based learning</li> <li>✚ 5 E's</li> <li>✚ Collaborative</li> </ul>

					Learning
<b>May</b>	<b>18</b>	<b>Ch. 8: Force and Laws of Motion</b> 8.1 Balanced and Unbalanced  Forces 8.2 First Law of Motion 8.3 Inertia and Mass 8.4 Second Law of Motion 8.5 Third Law of Motion	<ul style="list-style-type: none"> <li>• Understand force and its effects</li> <li>• Understand Newton's laws and their applications in daily life</li> <li>• Explain the terms like inertia, impulse and momentum.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Analysis.</li> <li>✚ Critical Thinking</li> <li>✚ Curiosity.</li> <li>✚ Confidence.</li> <li>✚ Motivation.</li> <li>✚ Creativity.</li> <li>✚ Communication.</li> <li>✚ Decision making</li> <li>✚ Problem Solving</li> </ul>	<ul style="list-style-type: none"> <li>✚ Demonstration cum lecture method</li> <li>✚ Guided Discussion</li> <li>✚ Activity based teaching</li> <li>✚ Problem solving based learning</li> <li>✚ 5 E's</li> <li>✚ Collaborative Learning</li> </ul>
<b>June</b>	<b>18</b>	<b>Ch. 9: Gravitation</b> 9.1 Gravitation 9.2 Free Fall 9.3 Mass <b>Practical:</b> To determine the density of solid (denser than water) by using a spring balance and a measuring cylinder.	<ul style="list-style-type: none"> <li>• Differentiate between <math>g</math> and <math>G</math>; mass and weight.</li> <li>• Calculate quantities using equations of motion during a free fall.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Analysis.</li> <li>✚ Critical Thinking</li> <li>✚ Curiosity.</li> <li>✚ Confidence.</li> <li>✚ Motivation.</li> <li>✚ Creativity.</li> <li>✚ Communication.</li> <li>✚ Decision making</li> <li>✚ Problem Solving</li> </ul>	<ul style="list-style-type: none"> <li>✚ Demonstration cum lecture method</li> <li>✚ Guided Discussion</li> <li>✚ Activity based teaching</li> <li>✚ Problem solving based learning</li> <li>✚ 5 E's</li> <li>✚ Collaborative Learning</li> </ul>
<b>July</b>	<b>18</b>	<b>Ch. 9: Gravitation (cont.)</b> 9.4 Weight 9.5 Thrust and Pressure 9.6 Archimedes' Principle	<ul style="list-style-type: none"> <li>• Compare the weight of a body with different 'g'.</li> <li>• Understand the importance of Newton's law of gravitation.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Analysis.</li> <li>✚ Critical Thinking</li> <li>✚ Curiosity.</li> <li>✚ Confidence.</li> </ul>	<ul style="list-style-type: none"> <li>✚ Demonstration cum lecture method</li> <li>✚ Guided Discussion</li> <li>✚ Activity based</li> </ul>

		<p><b>Practical:</b> To establish 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.</p>		<ul style="list-style-type: none"> <li>✚ Motivation.</li> <li>✚ Creativity.</li> <li>✚ Communication.</li> <li>✚ Decision making</li> <li>✚ Problem Solving</li> </ul>	<ul style="list-style-type: none"> <li>teaching</li> <li>✚ Problem solving based learning</li> <li>✚ 5 E's</li> <li>✚ Collaborative Learning</li> </ul>
August	24	<p><b>Ch. 10: Work and Energy</b> 10.1 Work 10.2 Energy 10.3 Rate of Doing Work</p>	<ul style="list-style-type: none"> <li>• List all situations when work is said to be not done</li> <li>• Identify and list different types of energy.</li> <li>• Understand the phenomenon of transformation of energy</li> <li>• Understand the relation between commercial and SI unit of energy.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Analysis.</li> <li>✚ Critical Thinking</li> <li>✚ Curiosity.</li> <li>✚ Confidence.</li> <li>✚ Motivation.</li> <li>✚ Creativity.</li> <li>✚ Communication.</li> <li>✚ Decision making</li> <li>✚ Problem Solving</li> </ul>	<ul style="list-style-type: none"> <li>✚ Demonstration cum lecture method</li> <li>✚ Guided Discussion</li> <li>✚ Activity based teaching</li> <li>✚ Problem solving based learning</li> <li>✚ 5 E's</li> <li>✚ Collaborative Learning</li> </ul>
September	18	<p><b>Ch. 11: Sound</b> 11.1 Production of Sound 11.2 Propagation of Sound 11.3 Reflection of Sound <b>Practical (Physics):</b> To verify the laws of reflection of sound</p>	<ul style="list-style-type: none"> <li>• Understand the phenomena of production as well as the propagation of sound.</li> <li>• Study the characteristics of a sound</li> <li>• Understand the phenomenon of reflection of sound.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Analysis.</li> <li>✚ Critical Thinking</li> <li>✚ Curiosity.</li> <li>✚ Confidence.</li> <li>✚ Motivation.</li> <li>✚ Creativity.</li> <li>✚ Communication.</li> <li>✚ Decision making</li> <li>✚ Problem solving</li> </ul>	<ul style="list-style-type: none"> <li>✚ Demonstration cum lecture method</li> <li>✚ Guided Discussion</li> <li>✚ Activity based teaching</li> <li>✚ Problem solving based learning</li> <li>✚ 5 E's</li> </ul>



					 Collaborative Learning
<b>October</b>	<b>20</b>	<b>Ch. 11: Sound (cont.)</b> 11.4 Range of Hearing 11.5 Applications of Ultrasound  <b>Practical</b> To determine velocity of a pulse propagated through a stretched string/slinky	<ul style="list-style-type: none"> <li>• Comprehend the concept of ultrasound and its applications.</li> <li>• List the applications of ultrasound</li> <li>• Identify the range of hearing of humans</li> </ul>	<ul style="list-style-type: none"> <li>➤ Analysis.</li> <li> Critical Thinking</li> <li> Curiosity.</li> <li> Confidence.</li> <li> Motivation.</li> <li> Creativity.</li> <li> Communication.</li> <li> Decision making</li> <li> Problem Solving</li> </ul>	<ul style="list-style-type: none"> <li> Demonstration cum lecture method</li> <li> Guided Discussion</li> <li> Activity based teaching</li> <li> Problem solving based learning</li> <li> 5 E's</li> <li> Collaborative Learning</li> </ul>
<b>November</b>	<b>22</b>	<b>REVISION</b>			
<b>December</b>	<b>13</b>	<b>ANNUAL EXAMINATION</b>			

## CHEMISTRY

Month	No. of Working Days	Content	Learning Outcome Students will be able to:	Skills	Teaching Methodology
March	22	<p><b>Ch. 1: Matter in Our Surroundings</b></p> <p>1.1 Physical Nature of Matter</p> <p>1.2 Characteristics of Particles of Matter</p> <p>1.3 States of Matter</p> <p>1.4 Can Matter Change its State?</p> <p>1.5 Evaporation</p> <p><b>Practical: -</b> Determination of melting point of ice and boiling point of water</p>	<ul style="list-style-type: none"> <li>• Particulate nature of matter</li> <li>• Identify states of matter – solid, liquid, gas and its properties</li> <li>• Predict the nature of attraction between particles in each state</li> <li>• Effect of temperature and pressure on such changes of state of matter</li> <li>• Definition of evaporation, sublimation, deposition</li> </ul>	<ul style="list-style-type: none"> <li>➤ Analysis.</li> <li>✚ Critical Thinking</li> <li>✚ Curiosity.</li> <li>✚ Confidence.</li> <li>✚ Motivation.</li> <li>✚ Creativity.</li> <li>✚ Communication.</li> <li>✚ Decision making.</li> <li>✚ Problem Solving</li> </ul>	<ul style="list-style-type: none"> <li>✚ Demonstration cum lecture method</li> <li>✚ Guided Discussion</li> <li>✚ Activity based teaching</li> <li>✚ Problem solving based learning</li> <li>✚ 5 E's</li> <li>✚ Collaborative Learning</li> </ul>
April	22	<p><b>Ch. 2: Is Matter Around Us Pure</b></p> <p>2.1 What is a Mixture?</p> <p>2.2 What is a Solution?</p> <p>2.3 Physical and Chemical Changes</p> <p><b>Practical–</b> Preparation of</p> <p>a) true solution of common salt, sugar and alum</p> <p>b) A suspension of soil chalk</p>	<ul style="list-style-type: none"> <li>• Define and identify pure substance</li> <li>• Differentiate between mixtures on the basis of their properties</li> <li>• Understand the physical and chemical changes associated</li> </ul>	<ul style="list-style-type: none"> <li>➤ Analysis.</li> <li>✚ Critical Thinking</li> <li>✚ Curiosity.</li> <li>✚ Confidence.</li> <li>✚ Motivation.</li> <li>✚ Creativity.</li> <li>✚ Communication.</li> <li>✚ Problem solving</li> <li>✚ Decision making</li> </ul>	<ul style="list-style-type: none"> <li>✚ Demonstration cum lecture method</li> <li>✚ Guided Discussion</li> <li>✚ Activity based teaching</li> <li>✚ Problem solving based learning</li> <li>✚ 5 E's</li> <li>✚ Collaborative Learning</li> </ul>

		and fine sand in water c) colloid solution of starch in water and egg albumin/ milk in water and distinguish on the basis of transparency, filtration criteria, stability			
<b>May</b>	<b>18</b>	<p><b>Ch. 2: Is Matter Around Us Pure (cont.)</b> 2.4 What are the Types of Pure Substances? <b>Practical: -</b> Prepare a) a mixture b) a compound using iron filing and Sulphur powder and distinguish between two on basis of i) appearance ii) behavior toward magnet iii) behavior toward carbon disulphide iv) effect of heat</p> <p><b>Ch. 3: Atoms and Molecules</b> 3.1 Laws of Chemical Combination</p>	<ul style="list-style-type: none"> <li>Classify pure substances</li> <li>Differentiate between elements and compounds</li> <li>Define law of conservation of mass</li> <li>Define law of constant proportion</li> </ul>	<ul style="list-style-type: none"> <li>➤ Analysis.</li> <li>✚ Critical Thinking</li> <li>✚ Curiosity.</li> <li>✚ Confidence.</li> <li>✚ Motivation.</li> <li>✚ Creativity.</li> <li>✚ Communication.</li> <li>✚ Decision making</li> <li>✚ Problem Solving</li> </ul>	<ul style="list-style-type: none"> <li>✚ Demonstration cum lecture method</li> <li>✚ Guided Discussion</li> <li>✚ Activity based teaching</li> <li>✚ Problem solving based learning</li> <li>✚ 5 E's</li> <li>✚ Collaborative Learning</li> </ul>
<b>June</b>	<b>18</b>	<p><b>Ch. 3: Atoms and Molecules (cont.)</b> 3.2 What is an Atom?</p>	<ul style="list-style-type: none"> <li>Define the formation of molecules</li> <li>Classification of</li> </ul>	<ul style="list-style-type: none"> <li>➤ Analysis.</li> <li>✚ Critical Thinking</li> </ul>	<ul style="list-style-type: none"> <li>✚ Demonstration cum</li> </ul>

		3.3 What is a Molecule? 3.4 Writing Chemical Formulae	<p>molecules</p> <ul style="list-style-type: none"> <li>• Understand atomicities of similar and dissimilar elements</li> <li>• Identify the atoms with positive and negative charges</li> </ul>	<ul style="list-style-type: none"> <li>✚ Curiosity.</li> <li>✚ Confidence.</li> <li>✚ Motivation.</li> <li>✚ Creativity.</li> <li>✚ Communication.</li> <li>✚ Decision making</li> <li>✚ Problem Solving</li> </ul>	<p>lecture method</p> <ul style="list-style-type: none"> <li>✚ Guided Discussion</li> <li>✚ Activity based teaching</li> <li>✚ Problem solving based learning</li> <li>✚ 5 E's</li> <li>✚ Collaborative Learning</li> </ul>
<b>July</b>	<b>18</b>	<b>Ch.3: Atoms and Molecules (Cont.)</b> 3.5 Molecular Mass	<ul style="list-style-type: none"> <li>• Utilize knowledge of ions to write chemical formulae</li> <li>• Calculate unified mass of particles</li> </ul>	<ul style="list-style-type: none"> <li>➤ Analysis.</li> <li>✚ Critical Thinking</li> <li>✚ Curiosity.</li> <li>✚ Confidence.</li> <li>✚ Motivation.</li> <li>✚ Creativity.</li> <li>✚ Communication.</li> <li>✚ Decision making</li> <li>✚ Problem Solving</li> </ul>	<ul style="list-style-type: none"> <li>✚ Demonstration cum lecture method</li> <li>✚ Guided Discussion</li> <li>✚ Activity based teaching</li> <li>✚ Problem solving based learning</li> <li>✚ 5 E's</li> <li>✚ Collaborative Learning</li> </ul>
<b>August</b>	<b>24</b>	<b>Ch. 4: Structure of the Atom</b> 4.1 Charged Particles in Matter 4.2 The Structure of an Atom 4.3 How are Electrons Distributed in Different Orbits (Shells)?	<ul style="list-style-type: none"> <li>• Understand the discovery of electrons and their properties</li> <li>• Understand discovery of protons and their properties</li> </ul>	<ul style="list-style-type: none"> <li>➤ Analysis.</li> <li>✚ Critical Thinking</li> <li>✚ Curiosity.</li> <li>✚ Confidence.</li> <li>✚ Motivation.</li> <li>✚ Creativity.</li> <li>✚ Communication.</li> <li>✚ Decision making</li> <li>✚ Problem Solving</li> </ul>	<ul style="list-style-type: none"> <li>✚ Demonstration cum lecture method</li> <li>✚ Guided Discussion</li> <li>✚ Activity based teaching</li> <li>✚ Problem solving based learning</li> <li>✚ 5 E's</li> <li>✚ Collaborative Learning</li> </ul>

<b>SEPTEMBER</b>	<b>18</b>	<b>Ch. 4: Structure of the Atom (cont.)</b> 4.4 Valency 4.5 Atomic Number and Mass Number 4.6 Isotopes	<ul style="list-style-type: none"> <li>• Write electronic configurations for first 20 elements</li> <li>• Differentiate between isotopes and isobars</li> <li>• Identify change in chemical properties and uses of isotopes</li> </ul>	<ul style="list-style-type: none"> <li>➤ Analysis.</li> <li>✚ Critical Thinking</li> <li>✚ Curiosity.</li> <li>✚ Confidence.</li> <li>✚ Motivation.</li> <li>✚ Creativity.</li> <li>✚ Communication.</li> <li>✚ Decision making</li> <li>✚ Problem solving</li> </ul>	<ul style="list-style-type: none"> <li>✚ Demonstration cum lecture method</li> <li>✚ Guided Discussion</li> <li>✚ Activity based teaching</li> <li>✚ Problem solving based learning</li> <li>✚ 5 E's</li> <li>✚ Collaborative Learning</li> </ul>
<b>October &amp; November</b>	<b>42</b>	<b>REVISION</b>			
<b>December</b>	<b>13</b>	<b>ANNUAL EXAMINATION</b>			

## BIOLOGY

Month	No. of Working Days	Content	Learning Outcomes	Skills	Teaching Methodology
March & April	44	<p><b>CH – 5</b>  <b>THE FUNDAMENTAL UNIT OF LIFE</b>            Cell as a basic unit of life; prokaryotic and eukaryotic cells, multicellular organisms; cell membrane and cell wall. cell organelles and cell inclusions; chloroplast, mitochondria, vacuoles.</p>	<p><b>Students will be able to</b></p> <ul style="list-style-type: none"> <li>• Define a cell as the fundamental unit of life.</li> <li>• Differentiate between prokaryotic and eukaryotic cells in terms of structure and complexity.</li> <li>• Identify and describe the major cell organelles (e.g., nucleus, endoplasmic reticulum, Golgi apparatus, ribosomes) and their functions.</li> </ul>	<ul style="list-style-type: none"> <li>• Application</li> <li>• Decision making</li> <li>• Comprehension</li> <li>• Analysis</li> </ul>	<ul style="list-style-type: none"> <li>• Lecture cum Demonstration</li> <li>• Guided Discussion</li> <li>• AV-Aids</li> <li>• Collaboration</li> </ul>
May & June	36	<p><b>CH – 5</b>  <b>THE FUNDAMENTAL UNIT OF LIFE</b>  <b>(Contd.....)</b>            Cell organelles and cell inclusions; Endoplasmic reticulum, Golgi apparatus, Nucleus, Chromosomes - basic structure, number.</p>	<ul style="list-style-type: none"> <li>• Recognize how the cellular structure aligns with specific cellular functions.</li> <li>• Draw animal cell and plant cell and label their organelles</li> <li>• Appreciate the co-ordination and co-operation of different cell organelles for proper functioning of a cell</li> </ul>	<ul style="list-style-type: none"> <li>• Critical thinking</li> <li>• Evaluation</li> <li>• Analysis</li> <li>• Recognition</li> </ul>	<ul style="list-style-type: none"> <li>• Demonstration</li> <li>• Audio-Visual Aids</li> <li>• Activity Based</li> <li>• Brainstorming</li> <li>• Collaborative</li> </ul>

		<p><b>PRACTICAL:</b> Preparation of stained temporary mounts of (a) onion peel, (b) human cheek cells &amp; to record observations and draw their labeled diagrams.</p>			
July	18	<p><b>CH. 6 TISSUE</b> Plant Tissues, Meristematic tissues, Simple Permanent Tissues Simple Parenchyma, Collenchyma, Sclerenchyma tissues</p>	<p><b>Students will be able to</b></p> <ul style="list-style-type: none"> <li>Define plant tissues and their significance in the growth and development of plants.</li> <li>Classify plant tissues into meristematic and permanent tissues</li> </ul>	<ul style="list-style-type: none"> <li>Explanation</li> <li>Analyse</li> <li>Comprehension</li> <li>Understanding</li> </ul>	<ul style="list-style-type: none"> <li>Lecture cum Demonstration</li> <li>5 E's</li> <li>Guided Discussion</li> <li>Project Method</li> <li>Collaboration</li> </ul>
August	24	<p><b>CH. 6 TISSUE (Contd.....)</b> Complex Tissues - Xylem and Phloem  Animal tissues, Epithelial Tissues, Connective Tissue, Nervous Tissue</p>	<ul style="list-style-type: none"> <li>Discover the relationship between different types of permanent tissue on the basis of location, structure and function.</li> <li>Differentiate between meristematic tissue and permanent tissue</li> </ul>	<ul style="list-style-type: none"> <li>Decision making</li> <li>Analysis</li> <li>Critical thinking</li> <li>Evaluation</li> </ul>	<ul style="list-style-type: none"> <li>Lecture cum Demonstration</li> <li>Guided Discussion</li> <li>Collaboration</li> <li>5 E's</li> </ul>
September & October	28	<p><b>CH.12</b> <b>IMPROVEMENT IN THE FOOD RESOURCES</b></p>	<p><b>Students will be able to</b></p> <ul style="list-style-type: none"> <li>Identify the nutrients required for growing plants.</li> <li>Evaluate the effects of nutrient</li> </ul>	<ul style="list-style-type: none"> <li>Understanding</li> <li>Analysis</li> <li>Critical thinking</li> </ul>	<ul style="list-style-type: none"> <li>Lecture cum Demonstration method</li> </ul>

		Plant and animal breeding and selection for quality improvement and management; Use of fertilizers and manures; Protection from pests and diseases; Organic farming.	deficiency. <ul style="list-style-type: none"> <li>• Adopt the different methods of preparing manure.</li> <li>• Compare the qualities of manure and fertilizers in maintaining soil fertility</li> <li>• Evaluate the importance of mixed farming.</li> <li>• Analyze &amp; appreciate the role of some ancient techniques in improving crop production</li> <li>• Interpret the correct way of cattle farming, poultry, fish farming and apiculture</li> </ul>	<ul style="list-style-type: none"> <li>• Evaluation</li> <li>• Classification</li> <li>• Creativity</li> <li>• Explanation</li> </ul>	<ul style="list-style-type: none"> <li>• Guided Discussion</li> <li>• Project Method</li> <li>• Collaboration</li> <li>• 5 E's</li> </ul>
<b>November</b>	22	<b>REVISION</b>			
<b>December</b>	13	<b>ANNUAL EXAMINATION</b>			



## SUBJECT – SOCIAL SCIENCE (087)

Month	No. of Working Days	Content	Learning Outcome	Skills	Teaching Methodology
March	22	<p><b><u>Geography</u></b> India – Size and Location</p> <p><b><u>Political Science</u></b> What is Democracy? Why Democracy?</p> <p><b><u>Economics</u></b> The story of Village Palampur. (PT 1 Only)</p>	<ul style="list-style-type: none"> <li>• Gain knowledge about India’s geography and develop map-reading skills.</li> <li>• Comprehend the concept of democracy, analyze its significance, and develop communication skills</li> <li>• Understand rural economic activities and apply economic concepts to real- world scenarios.</li> </ul>	<ul style="list-style-type: none"> <li>• Map interpretation</li> <li>• Spatial understanding</li> <li>• Critical Thinking</li> <li>• Public speaking.</li> <li>• Observation</li> <li>• Data analysis.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Map reading, group activities, discussions.</li> <li>➤ Role play case studies, debates.</li> <li>➤ Case Study analysis, class discussions.</li> </ul>
April	22	<p><b><u>Geography</u></b> Physical Features of India.</p>	<ul style="list-style-type: none"> <li>• Understand physical features of India, interpret maps, and create models to represent geographical features</li> </ul>	<ul style="list-style-type: none"> <li>• Map interpretation</li> <li>• Model creation.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Map analysis</li> <li>➤ Physical geography models</li> <li>➤ Multimedia presentation.</li> </ul>

		<p><b><u>Economics</u></b> People as Resource.</p> <p><b><u>Political Science.</u></b> <b>Constitutional Design</b></p> <p><b><u>History</u></b> The French Revolution.</p>	<ul style="list-style-type: none"> <li>• Understand the concept of human capital, analyze its role in economic development, and apply economic concepts to real life scenarios.</li> <li>• Understand constitutional principal, engage in collaborative decision-making and comprehend legal framework.</li> <li>• Understand the causes and consequences of the French Revolution, and develop critical thinking skills.</li> </ul>	<ul style="list-style-type: none"> <li>• Critical analysis</li> <li>• Application of economic concepts</li> <li>• Collaborative decision- making</li> <li>• Understanding legal frameworks.</li> <li>• Analytical thinking</li> <li>• Historical reasoning.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Role playing</li> <li>➤ Case studies on human capital</li> <li>➤ Group projects</li> <li>➤ Mock constitutional drafting</li> <li>➤ Class discussions</li> <li>➤ Lecture Group discussions.</li> </ul>
<p><b>May</b></p>	<p><b>18</b></p>	<p><b><u>Political Science</u></b> Electoral Politics.</p> <p><b><u>Geography</u></b> Climate.</p>	<ul style="list-style-type: none"> <li>• Understand electoral processes, critically analyze political dynamics.</li> <li>• Students will comprehend climate patterns, engage in scientific inquiry, and interpret climate data.</li> </ul>	<ul style="list-style-type: none"> <li>• Critical analysis of political processes</li> <li>• Understanding election dynamics.</li> <li>• Scientific inquiry</li> <li>• Data interpretation.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Mock elections</li> <li>➤ Case studies.</li> <li>➤ Climate experiments</li> <li>➤ Multimedia presentations.</li> </ul>

		<p><b><u>Economics</u></b> Poverty as a challenge.</p>	<ul style="list-style-type: none"> <li>• Understand the challenge of poverty, critically evaluate poverty alleviation programs.</li> </ul>	<ul style="list-style-type: none"> <li>• Critically evaluation</li> <li>• Application of economic concepts.</li> </ul>	<ul style="list-style-type: none"> <li>➤ Group discussions</li> <li>➤ Case studies on poverty Alleviation program.</li> </ul>
<b>June</b>	<b>18</b>	<p><b><u>Geography</u></b> Natural Vegetation and wildlife</p> <p><b><u>Political Science</u></b> Working of Institutions</p>	<ul style="list-style-type: none"> <li>• Understand natural vegetation and wildlife, develop environmental awareness, and interpret ecosystem maps.</li> <li>• Understand the functioning of democratic institutions, critically analyze their role.</li> </ul>	<ul style="list-style-type: none"> <li>• Environmental awareness</li> <li>• Map interpretation.</li> <li>• Critical analysis</li> <li>• Teamwork</li> </ul>	<ul style="list-style-type: none"> <li>➤ Ecosystem mapping</li> <li>➤ Multimedia presentations</li> <li>➤ Simulation activities</li> <li>➤ Case studies</li> <li>➤ Class debates.</li> </ul>
<b>July</b>	<b>18</b>	<p><b><u>Geography</u></b> Drainage</p> <p><b><u>History</u></b> Socialism in Europe and the Russian Revolution.</p>	<ul style="list-style-type: none"> <li>• Understand the different rivers, the area they serve and their impact on the economy of that area.</li> <li>• Analyze socialist movements and the Russian Revolution, interpret historical sources and develop argumentation skills</li> </ul>	<ul style="list-style-type: none"> <li>• Map skill</li> <li>• Critical thinking</li> <li>• Interpretation of historical sources</li> <li>• Argumentation</li> </ul>	<ul style="list-style-type: none"> <li>➤ Map Interpretation</li> <li>➤ Lecture method</li> <li>➤ Debate</li> <li>➤ Multimedia resources.</li> </ul>

		<b><u>Geography</u></b> <b>Population</b>	<ul style="list-style-type: none"> <li>Analyze and infer the reasons behind the uneven distribution of population in India.</li> </ul>	<ul style="list-style-type: none"> <li>Analytical Skill</li> </ul>	<ul style="list-style-type: none"> <li>Lecture and discussion method.</li> </ul>
<b>August</b>	<b>24</b>	<b><u>Economics</u></b> Food Security	<ul style="list-style-type: none"> <li>Explore issues related to food security propose solution, and enhance problem- solving and teamwork skill</li> </ul>	<ul style="list-style-type: none"> <li>Problem- solving</li> <li>Teamwork skills.</li> </ul>	<ul style="list-style-type: none"> <li>Group Project</li> <li>Guest lectures from experts.</li> </ul>
<b>September</b>	<b>18</b>	<b><u>Political Science</u></b> Democratic rights.	<ul style="list-style-type: none"> <li>Understand democratic rights.</li> <li>Analyze the importance of democratic rights.</li> </ul>	<ul style="list-style-type: none"> <li>Critical Thinking.</li> <li>Argumentation.</li> </ul>	<ul style="list-style-type: none"> <li>Role play.</li> <li>Case Studies.</li> <li>Debates</li> </ul>
<b>October</b>	<b>20</b>	<b><u>History</u></b> Pastoralists in modern world (P.T. only)	<ul style="list-style-type: none"> <li>Gain a deep understanding of the challenges faced by pastoralists in the modern world.</li> <li>Foster problem- solving skills by brainstorming potential solutions to mitigate challenges faced by pastoralists.</li> </ul>	<ul style="list-style-type: none"> <li>Critical Thinking.</li> <li>Research skills.</li> </ul>	<ul style="list-style-type: none"> <li>Case studies</li> <li>Interactive discussions</li> <li>Guest speaker.</li> </ul>
<b>November</b>	<b>22</b>	<b>REVISION</b>			
<b>December</b>	<b>13</b>	<b>ANNUAL EXAMINATION</b>			

**SUBJECT – INFORMATION TECHNOLOGY (402)**

<b>Month</b>	<b>No. of Working Days</b>	<b>Content</b>	<b>Learning Outcome</b>	<b>Skill</b>	<b>Teaching Methodology</b>
<b>March</b>	<b>22</b>	Communication Skills-I Self-Management Skills-I ICT Skills-I	<b>Learners will be able to:</b> <ul style="list-style-type: none"> <li>• Elaborate the communication skills.</li> <li>• Tell the use of ICT skills.</li> <li>• Tell the different processes introduced in self -management.</li> </ul>	Understanding, recall, recognition.	<b>Lecture cum Demonstration:</b> Begin the chapter with a live demonstration introducing communication skills and ICT skills. <b>Visual Aids:</b> Use visuals, such as pictures or props, to enhance understanding and knowledge
<b>April</b>	<b>22</b>	Data Entry & Keyboarding Skills	<b>Learners will able to:</b> <ul style="list-style-type: none"> <li>• Use keyboard and mouse for data entry</li> <li>• Use typing software</li> <li>• Identify the keys and its use on the keyboard</li> <li>• Identify the user interface of typing tutor</li> </ul>	Attention to detail, recall, creativity, critical thinking.	<b>Lecture cum demonstration:</b> Conduct an interactive discussion introducing the Data entry. Present a live demonstration using keyboard and typing tutor. <b>Group Discussion:</b> Facilitate group discussions to share their findings and experiences.
<b>May</b>	<b>18</b>	Introduction to IT- ITeS industry	<b>Learners will be able to:</b> <ul style="list-style-type: none"> <li>• Appreciate the applications of IT</li> <li>• Identify and list the various IT enabled services</li> <li>• Observe the application of IT in</li> </ul>	Understanding, Critical thinking, problem solving, analyzing.	<b>Interactive Recap:</b> Conduct an interactive session recapping the features of IT - ITeS, emphasizing key concepts of layers and filters.

			various areas		<b>Peer Teaching:</b> Encourage students to share their knowledge, promoting collaborative learning,
<b>June</b>	<b>18</b>	Entrepreneurial Skills-I Green Skills-I Introduction	<b>Learners will be able to:</b> <ul style="list-style-type: none"> <li>• Define the different skills</li> <li>• Introduce entrepreneurial skills.</li> <li>• Elaborate the concept of green skills.</li> </ul>	Recall, reorganization, Critical thinking, analyzing	<b>Demonstration:</b> Conduct an interactive discussion introducing green skills, benefits and security concerns. <b>Peer Teaching:</b> Encourage students to share their knowledge, promoting collaborative learning,
<b>July</b>	<b>18</b>	Data Entry & Keyboarding Skills	<b>Learners will be able to:</b> <ul style="list-style-type: none"> <li>• Typing text and interpret results</li> <li>• Use Pointing device – Mouse, Mouse operations.</li> <li>• Practice to improve typing using typing tutor software.</li> </ul>	Recall Problem solving, Critical thinking, analyzing	<b>Lecture cum Demonstration:</b> Begin the chapter with a live demonstration using typing tutor. <b>Peer Teaching:</b> Encourage students to share their knowledge, promoting collaborative learning,
<b>August</b>	<b>24</b>	Digital Documentation	<b>Learners will be able to:</b> <ul style="list-style-type: none"> <li>• Create a document using a word processor</li> <li>• Apply Editing features</li> <li>• Apply formatting features</li> <li>• Create and work with tables</li> <li>• Use Print Options</li> <li>• Understand and apply mail merge.</li> </ul>	Creativity, Problem solving, Critical thinking	<b>Lecture cum Demonstration:</b> Provide a live demonstration creating a document and applying its features. <b>Visual Aids:</b> Use visuals, such as pictures or props, to enhance understanding and creativity.
<b>September</b>	<b>18</b>	Electronic Spreadsheet	<b>Learners will be able to:</b> <ul style="list-style-type: none"> <li>• Create a Spreadsheet</li> <li>• Apply formula and functions in</li> </ul>	Creativity, problem solving, analytical skill	<b>Lecture cum Demonstration:</b> Conduct an interactive session demonstrating Spreadsheet to

			spreadsheet <ul style="list-style-type: none"> <li>• Format data in the spreadsheet</li> <li>• Understand and apply Referencing</li> <li>• Create and insert different types of charts in a spreadsheet</li> </ul>		have the desired output, emphasizing key concepts of formulas and functions.
<b>October</b>	<b>20</b>	Digital Presentation	<b>Learners will be able to:</b> <ul style="list-style-type: none"> <li>• Understand features of an effective presentation</li> <li>• Create a presentation</li> <li>• Work with slides</li> <li>• Format text and apply animations</li> <li>• Create and use tables</li> <li>• Insert and format image in presentation</li> </ul>	Creativity, problem solving, Recall. Critical thinking	<b>Lecture cum Demonstration:</b> Conduct an interactive session demonstrating Digital presentation to have the desired output and design <b>Peer Teaching:</b> Encourage students to share their knowledge, promoting collaborative learning,
<b>November</b>	<b>22</b>	<b>REVISION</b>			
<b>December</b>	<b>13</b>	<b>ANNUAL EXAMINATION</b>			