

**DETAILED SYLLABUS (2024-25)**

**CLASS: IX**

**ENGLISH**

MONTH	TOPIC
APRIL	<b>Literature</b> : How I taught my grandmother to read , The Brook <b>Grammar</b> : Simple and Continuous Tenses, Perfect and Perfect Continuous Tenses <b>Writing</b> : Notice Writing <b>Art Integrated Activity:</b> Poster <b>M.C.B</b> : Unit – 1
MAY	<b>Literature</b> : The Road not taken <b>Grammar</b> : Modals <b>Writing</b> : Dialogue <b>Art Integrated Activity</b> : Pictorial description of The Road not taken
JULY	<b>Literature</b> : A Dog named Duke, The Man who knew too much <b>Grammar</b> : Reported speech <b>Writing</b> : Informal Letter <b>Art Integrated Activity</b> : Compose a nature poem <b>M.C.B</b> : Unit – 2
AUGUST	<b>Literature</b> : Villa for Sale, Solitary Reaper <b>Writing</b> : Paragraph <b>Art Integrated Activity</b> : Role play <b>M.C.B</b> : Unit – 3
SEPTEMBER	<b>Grammar</b> : Gap filling, Editing, Omitting Revision <b>Subject Enrichment Activity:</b> ASL
OCTOBER	<b>Literature</b> : Keeping it from Harold, Seven Ages <b>Grammar</b> : Sub-verb concord <b>Writing</b> : Factual description <b>Art Integrated Activity</b> : Pictorial description of The Seven Ages <b>M.C.B</b> : Unit - 4
NOVEMBER	<b>Literature</b> : Best Seller, Oh I wished I looked after me teeth <b>Grammar</b> : Determiners <b>Writing</b> : Factual description, formal letter <b>Art Integrated Activity</b> : Illustrate the teeth poem <b>M.C.B</b> : Unit - 5
DECEMBER	<b>Literature</b> : Bishop’s candlesticks <b>Grammar</b> : Sentence reordering <b>Writing</b> : Article <b>Art Integrated Activity</b> : Role Play <b>M.C.B</b> : Unit - 6

<b>JANUARY</b>	<b>Literature</b> : Song of the rain <b>M.C.B</b> : Unit - 7
<b>FEBRUARY</b>	Revision <b>Subject Enrichment Activity:</b> ASL

**PORTION FOR:**

**PERIODIC ASSESSMENT 1**      **Literature Reader :** How I taught my grandmother to read, The Brook  
**Grammar :** Simple and Continuous Tenses Perfect and Perfect Continuous Tenses  
**Writing :** Notice Writing

**PERIODIC ASSESSMENT 2**      **Literature Reader :** Keeping it from Harold, The Seven Ages  
**Grammar :** Sub-Verb concord  
**Writing :** Factual description

**MATHS**

<b>MONTH</b>	<b>TOPIC</b>
<b>APRIL</b>	<p><b><u>NUMBER SYSTEM</u></b></p> <p><b>1. Review of representation of natural numbers, integers, and rational numbers on the number line. Rational numbers as recurring/ terminating decimals. Operations on real numbers.</b></p> <p><b>2. Examples of non-recurring/non-terminating decimals. Existence of non-rational numbers (irrational numbers) such as <math>\sqrt{2}</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.</b></p> <p><b>3. Definition of nth root of a real number.</b></p> <p><b>4. Rationalization (with precise meaning) of real numbers of the type monomial and binomial</b></p>
<b>MAY</b>	<p><b><u>NUMBER SYSTEM</u> :Recall the laws of exponents with integral values rational exponents with positive real bases.</b></p> <p><b><u>POLYNOMIALS</u></b></p> <p><b>Recall of algebraic expressions and identities.</b></p>
<b>JULY</b>	<p><b><u>POLYNOMIALS( CONTD.),</u></b></p> <p><b>Zeros of a polynomial, factorization of polynomial</b></p> <p><b><u>COORDINATE GEOMETRY</u></b></p> <p><b>The Cartesian plane, coordinates of a point, names and terms associated with the coordinate plane.</b></p>

	<p><b>LINEAR EQUATIONS IN TWO VARIABLES</b>  Recall of linear equations in one variable. Introduction to the equation in two variables.  Focus on linear equations of the type <math>ax + by + c = 0</math>. Explain that a linear equation in two variables has infinitely many solutions and justify their being written as ordered pairs of real numbers.</p>
<b>AUGUST</b>	<p><b><u>INTRODUCTION TO EUCLID'S GEOMETRY</u></b>  <b><u>LINES AND ANGLES</u></b>  <b><u>HERONS FORMULA</u></b></p>
<b>SEPTEMBER</b>	<b>REVISION</b>
<b>OCTOBER</b>	<p><b>TRIANGLES:</b>  Congruence of triangles, criteria for congruency and some properties of triangles</p> <p><b>SURFACE AREA AND VOLUMES:</b>  Surface areas of right circular cone and sphere volume of right circular cone and sphere.</p>
<b>NOVEMBER</b>	<p><b>QUADRILATERALS</b>  Properties of a parallelogram and the midpoint theorem.</p>
<b>DECEMBER</b>	<p><b>CIRCLES</b></p> <ol style="list-style-type: none"> <li>1. Equal parts of a circle subtend equal angle at the centre .</li> <li>2.(Motivate) 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.</li> <li>3. (Motivate) Equal chords of a circle (or of congruent circles) are equidistant from the center (or their respective centers) and conversely.</li> <li>4.(Prove) The angle subtended by an arc at the center is double the angle subtended by it at any point on the remaining part of the circle.</li> <li>5.(Motivate) Angles in the same segment of a circle are equal.</li> <li>6.(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.</li> <li>7.(Motivate) The sum of either of the pair of the opposite angles of a cyclic quadrilateral <math>180^\circ</math></li> </ol>
<b>JANUARY</b>	<p><b>STATISTICS:</b>  Graphical representation of data bar graph histogram and frequency polygon</p>
<b>FEBRUARY</b>	<b>REVISION</b>

**PORTION FOR:**

**PERIODIC ASSESSMENT 1      NUMBER SYSTEM  
POLYNOMIALS**

**PERIODIC ASSESSMENT 2      SURFACE AREA  
TRIANGLES**

**PHYSICS**

<b>MONTH</b>	<b>TOPIC</b>
<b>APRIL</b>	<b>MOTION</b> -Uniform And Non-Uniform Motion, Speed With Direction, Rate Of Change Of Velocity
<b>MAY</b>	<b>MOTION</b> -Graphical Representation Of Motion,Uniform Circular Motion
<b>JULY</b>	<b>FORCE AND LAWS OF MOTION</b> First Law Of Motion, Inertia And Mass, Second Law Of Motion, Third Law Of Motion
<b>AUGUST</b>	<b>GRAVITATION</b> Universal Law Of Gravitation, Free Fall, Mass and Weight
<b>SEPTEMBER</b>	Revision
<b>OCTOBER</b>	<b>GRAVITATION</b> Thrust, Pressure, Pressure In Liquids
<b>NOVEMBER</b>	<b>WORK AND ENERGY</b> Scientific Conception Of Work, Energy
<b>DECEMBER</b>	<b>WORK AND ENERGY</b> Rate Of Doing Work
<b>JANUARY</b>	<b>SOUND</b> Propagation Of Sound, Reflection Of Sound
<b>FEBRUARY</b>	Revision

**PORTION FOR -----**

**PERIODIC ASSESSMENT 1      Ch-7 MOTION**

**PERIODIC ASSESSMENT 2      Ch-9 GRAVITATION**  
Thurst, Pressure, Pressure in Liquids  
**Ch – 10 WORK AND ENERGY**  
Scientific Conception of Work

## CHEMISTRY

<b>APRIL/MAY/JULY</b>	<b>Chapter I</b> <b>Matter in our surroundings</b> The topics in this unit are: definition of matter; solid, liquid and gas; characteristics - shape, volume, density; change of state melting (absorption of heat), freezing, evaporation (cooling by evaporation), condensation, sublimation
<b>JULY / AUGUST</b>	<b>Chapter II</b> <b>Is matter around us pure?</b> The topics in this unit are: Elements, compounds and mixtures. Heterogeneous and homogenous mixtures, Solution, Concentration of a solution, colloids and suspensions. Physical and chemical changes (excluding separating the components of a mixture).
<b>SEPTEMBER</b>	<b>Revision and mid term exam</b>
<b>OCTOBER / NOVEMBER</b>	<b>Chapter III</b> <b>Atoms and molecules</b> The topics in this unit are: Atoms and molecules, Law of Chemical Combination, Chemical formula of common compounds, Atomic and molecular masses, Ions
<b>DECEMBER / JANUARY</b>	<b>Chapter IV</b> <b>Structure of the Atom</b> - Electrons, protons and neutrons, Different Models, Distribution of electrons, Valency, Atomic Number and Mass Number, Isotopes and Isobars.
<b>FEBRUARY</b>	<b>Revision and Annual exam</b>

### PORTION FOR:

**PERIODIC ASSESSMENT 1      MATTER IN OUR SURROUNDINGS**

**PERIODIC ASSESSMENT 2      ATOMS AND MOLECULES**

## BIOLOGY

<b>APRIL</b>	<b>CHAPTER 5 --- THE FUNDAMENTAL UNIT OF LIFE</b> Cell - Basic Unit of life : Cell as a basic unit of life; prokaryotic and eukaryotic cells, multicellular organisms; cell membrane and cell wall
<b>MAY</b>	<b>CHAPTER 5 --- THE FUNDAMENTAL UNIT OF LIFE (contd....)</b> Cell organelles and cell inclusions; chloroplast, mitochondria, vacuoles, endoplasmic reticulum, Golgi apparatus; nucleus.
<b>JULY</b>	<b>CHAPTER 5 --- THE FUNDAMENTAL UNIT OF LIFE (contd...)</b> Chromosomes - basic structure, number  <b>CHAPTER 12 --- IMPROVEMENT IN FOOD RESOURCES</b> Plant and animal breeding and selection for quality improvement and management
<b>AUGUST</b>	<b>CHAPTER 12 --- IMPROVEMENT IN FOOD RESOURCES (contd....)</b> Use of fertilizers and manures; Protection from pests and diseases; Organic farming.
<b>SEPTEMBER</b>	<b>REVISION</b>

<b>OCTOBER</b>	<b>CHAPTER 6 --- TISSUES</b> <b>Meristematic tissues in plants</b>
<b>NOVEMBER</b>	<b>CHAPTER 6 --- TISSUES (contd...)</b> <b>Permanent tissues in plants)</b>
<b>DECEMBER</b>	<b>CHAPTER 6 --- TISSUES (contd....)</b> <b>Four major types of animal tissues are epithelial, connective, nervous and muscle tissue</b>
<b>JANUARY / FEBRUARY</b>	<b>REVISION</b> <b>ANNUAL EXAM</b>

**PORTION FOR:**

**PERIODIC ASSESSMENT 1      CELL – THE FUNDAMENTAL UNIT OF LIFE**

**PERIODIC ASSESSMENT 2      PLANT TISSUE**

**ARTIFICIAL INTELLIGENCE (AI)**

<b>APRIL</b>	<b>UNIT 1 : AI REFLECTION</b> Chapter 6 : Introduction to AI AI with us, Types of AI, Domains of AI, Our Intelligence and Machine, Role of AI, Why is AI needed?  Chapter 7 : Applications of AI (Project)
<b>MAY</b>	Chapter 8 : Artificial Intelligence Ethics AI Ethics, AI Awareness, AI Bias, AI Access, Why it's important?, A Good AI System
<b>JULY</b>	Chapter 9 : Introduction to AI Project Cycle AI Project Cycle Stages, Data Acquisition, Data Exploration, Data Visualisation, Modelling, Decision Tree, Evaluation  <b>PART A</b> Chapter 1 : Communication Skills- I What does Communication Mean?, Communication Cycle, Types of Communication, 7 C's of Communication, Basic Writing Skills  Chapter 2 : Self-Management Skills- I (Project)
<b>AUGUST</b>	Chapter 3 : Basic ICT Skills- I What is ICT?, Basic ICT Tools, Operating System, Internet and it's Applications, Introduction to Social Media, Cybercrime  Chapter 5 : Green Skills- I (Project)  <b>UNIT 2 : DATA LITERACY</b> Basics of Data Literacy, Acquiring Data, Processing and Interpreting Data, Project Interactive Data Dashboard and Presentation
<b>SEPTEMBER</b>	Revision

<b>OCTOBER</b>	Chapter 4 : Entrepreneurial Skills-I (Project) <b>UNIT 3 : MATH FOR AI</b> Importance of Math for AI, Statistics, Probability
<b>NOVEMBER</b>	<b>UNIT 4 : INTRODUCTION TO GENERATIVE AI</b> Generative AI, Kinds of Generative AI, Its working and Application, Ethical considerations of using Generative AI <b>UNIT 5 : INTRODUCTION TO PYTHON</b> Chapter 11 : Introduction to Python Programming Python Programming, Fundamentals of Python, Python Applications, Python Installation and Its Libraries, Python concepts with Code Combat for AI
<b>DECEMBER</b>	Chapter 12 : More on Python Programming Python Concepts and Fundamentals, Python Comments and its Types, Python Keywords, Python Identifiers, Python Variables, Python Data Types, Python input() function, Python Operators and its groups
<b>JANUARY</b>	Chapter 13 : Projects in Python Programming Python Flow of Control & Conditions, Python Conditional Statements, Python Loop Statements, Types of Python Loops, Python Data Structure, Types of Data Structure, Applications of Data Structure, Python Lists, Tuples, Sets
<b>FEBRUARY</b>	Revision

**PORTION FOR:**

**PERIODIC ASSESSMENT 1** CHAPTER 6 INTRODUCTION TO ARTIFICIAL INTELLIGENCE  
CHAPTER 8 ARTIFICIAL INTELLIGENCE ETHICS

**PERIODIC ASSESSMENT 2** DATA LITERACY

**HISTORY & POLITICAL SCIENCE**

MONTH	LESSON
APRIL	<p><b>HISTORY</b></p> <p>THE FRENCH REVOLUTION</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 •Did Women have a Revolution?</li> <li>• The Abolition of Slavery</li> <li>• The Revolution and Everyday Life</li> </ul> <p><b>POLITICAL SCIENCE</b></p> <p>WHAT IS DEMOCRACY? WHY DEMOCRACY?</p> <ul style="list-style-type: none"> <li>•What is Democracy?</li> <li>• Features of Democracy</li> <li>•Why Democracy?</li> <li>• Broader Meanings of Democracy</li> </ul>
MAY	<p><b>POLITICAL SCIENCE</b></p> <p>Constitutional Design</p> <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>

JULY	<p>HISTORY</p> <p>Socialism in Europe and the Russian Revolution</p> <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>
AUGUST/SEPTEMBER	<p>POLITICAL SCIENCE</p> <p>Electoral Politics</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> <p>REVISION</p>
OCTOBER	<p>HISTORY</p> <p>Pastoralists in the Modern World</p> <ul style="list-style-type: none"> <li>• Pastoral Nomads and their Movements</li> <li>• Colonial Rule and Pastoral Life</li> <li>• Pastoralism in Africa</li> </ul> <p>POLITICAL SCIENCE</p> <p>Working of Institutions</p> <ul style="list-style-type: none"> <li>• How is the major policy decision taken?</li> <li>• Parliament</li> <li>• Political and Permanent Executive</li> <li>• The Judiciary</li> </ul>
NOVEMBER	Inter Disciplinary project – Forest Society and Colonialism
DECEMBER	<p>HISTORY</p> <p>Nazism and the Rise of Hitler</p> <ul style="list-style-type: none"> <li>• Birth of the Weimar Republic</li> <li>• Hitler’s Rise to Power</li> <li>• The Nazi World view</li> <li>• Youth in Nazi Germany</li> <li>• Ordinary People and the Crimes Against Humanity</li> </ul>
JANUARY	<p>POLITICAL SCIENCE</p> <p>Democratic Rights</p> <ul style="list-style-type: none"> <li>• Life without Rights</li> <li>• Rights in a Democracy</li> <li>• Rights in the Indian Constitution</li> <li>• Expanding scope of rights</li> </ul>
FEBRUARY	Revision

**PORTION FOR:**

**PERIODIC ASSESSMENT 1** HISTORY – THE FRENCH REVOLUTION  
POL SC. – WHAT IS DEMOCRACY? WHY DEMOCRACY?

**PERIODIC ASSESSMENT 2** HISTORY – PASTORALISTS IN THE MODERN WORLD  
POL SC. – WORKING OF THE INSTITUTIONS



## **GEOGRAPHY & ECONOMICS**

<b>Month</b>	<b>Topic</b>
<b>APRIL</b>	<b>GEOGRAPHY:</b> Ch. 1 – India-Size and Location  <b>ECONOMICS:</b> Ch. 1 – The story of village Palampur
<b>MAY</b>	<b>GEOGRAPHY:</b> Ch. 2 – Physical features of India  <b>ECONOMICS:</b> Ch. 1 – The story of village Palampur (continued)
<b>JULY</b>	<b>GEOGRAPHY:</b> Ch. 2 – Physical features of India (continued)  <b>ECONOMICS:</b> Ch. 2 – People as a resource
<b>AUGUST</b>	<b>GEOGRAPHY:</b> Ch. 3 – Drainage  <b>ECONOMICS:</b> Ch. 2 – People as a resource (continued)
<b>SEPTEMBER</b>	<b>REVISION+HALF-YEARLY</b>
<b>OCTOBER</b>	<b>Geography:</b> Ch. 4 – Climate  <b>Economics:</b> Ch. 3 – Poverty as a challenge
<b>NOVEMBER</b>	<b>Geography:</b> Ch. 4 – Climate (continued)  <b>Economics:</b> Ch. 3 – Poverty as a Challenge (continued)
<b>DECEMBER</b>	<b>Geography:</b> Ch. 6 – Population  <b>Economics:</b> Ch. 4 Food Security in India
<b>JANUARY</b>	<b>Geography:</b> Ch. 6 – Population (continued)  <b>Economics:</b> Ch. 4 Food Security in India (continued)
<b>FEBRUARY</b>	<b>REVISION+ANNUALS</b>

(Geography Chapter 5 is included in syllabus covered as IDP as per CBSE)

**PORTION FOR:**

**PERIODIC ASSESSMENT 1**      GEOGRAPHY – CHAPTER 1  
INDIA : SIZE AND LOCATION  
ECONOMICS – CHAPTER 1  
THE STORY OF PALAMPUR

**PERIODIC ASSESSMENT 2**      GEOGRAPHY – CHAPTER 4  
CLIMATE (TILL PAGE 28)  
ECONOMICS – CHAPTER 3  
POVERTY AS A CHALLENGE

**HINDI**

अप्रैल	साहित्य- (क्षितिज ) दो बैलों की कथा ,कबीर की साखियाँ , ल्हासा की ओर , ललद्यद : वाख
मई	व्याकरण- अर्थ के आधार पर वाक्य भेद , समास –भेद सहित, अपठित गद्यांश-पद्यांश
जुलाई	साहित्य- (कृतिका ) इस जल प्रलय में। साहित्य- (क्षितिज )रसखान : सवैये , उपभोक्तावाद की संस्कृति, साँवले सपनों की याद
अगस्त	व्याकरण – औपचारिक व अनौपचारिक पत्र लेखन , अलंकार : शब्दालंकार – अनुप्रास,यमक श्लेष ,संवाद- लेखन, सूचना-लेखन, लघुकथा- लेखन, औपचारिक ई-मेल लेखन, उपसर्ग- प्रत्यय
सितम्बर	साहित्य- (कृतिका ) रीढ़ की हड्डी व्याकरण – पुनरावृत्ति
अक्टूबर	साहित्य- प्रेमचंद के फटे जूते , ग्राम श्री , मेघ आए , मेरे बचपन के दिन
नवम्बर	व्याकरण- समास – भेद सहित , उपसर्ग – प्रत्यय , अर्थ के आधार पर वाक्य भेद
दिसम्बर	साहित्य- मेरे संग की औरतें ( कृतिका ) कैदी और कोकिला, बच्चे काम पर जा रहे हैं (क्षितिज)
जनवरी	व्याकरण - औपचारिक पत्र लेखन , अनौपचारिक पत्र लेखन , अलंकार : शब्दालंकार , संवाद लेखन
फरवरी	साहित्य – पुनरावृत्ति व्याकरण – अनुच्छेद लेखन,ई मेल लेखन,सूचना-लेखन ,लघु कथा लेखन , पुनरावृत्ति ।

**सामयिक परीक्षा 1**

साहित्य- ल्हासा की ओर , कबीर की साखियाँ  
व्याकरण- समास भेद सहित

**सामयिक परीक्षा 2**

साहित्य- ग्राम श्री, मेरे बचपन के दिन  
व्याकरण- अर्थ के आधार पर वाक्य- भेद