

SYLLABUS OF CLASS IX (2023 – 2024)

ENGLISH

MONTH	TOPIC
APRIL	Bee Hive : The Fun They Had, The Road Not Taken (Poem), The Sound Of Music Moments : The Lost Child Grammar : Tenses Writing : Diary Entry
MAY	Bee Hive : Wind, The Little Girl Moments : The Adventures of Toto Grammar : Editing/ Omission Writing : Article Writing
JULY	Bee Hive : Rain On The Roof (Poem), A Truly Beautiful Mind, The Lake Isle of Innisfree (poem) Moments : Iswaran The Storyteller, In the Kingdom Of Fools Grammar : Modals, Voice: Active and Passive Writing : Story Writing
AUGUST	Bee Hive : The Snake and the Mirror, A Legend Of The Northland (Poem) Moments : The Happy Prince Grammar : Preposition, Subject verb concord Writing : Descriptive paragraph: Person SE Activity : ASL
SEPTEMBER	Revision
OCTOBER	Bee Hive : My Childhood, No Men Are Foreign Moments : The Last Leaf Grammar : Reported Speech : Statements, Questions
NOVEMBER	Bee Hive : Reach for The Top, On Killing A Tree(poem) Moments : A House Is Not A Home Grammar : Reported Speech : Commands and Requests, Clauses Writing : Descriptive Paragraph: Event
DECEMBER	Bee Hive : Kathmandu Moments : The Accidental Tourist Grammar : Determiners Writing : Descriptive paragraph : Place
JANUARY	Bee Hive : A Slumber did my Spirit Seal (poem), If I Were You (play) Moments : The Beggar Grammar : Sentence reordering, Do as directed Writing : Story Writing SE Activity : ASL
FEBRUARY	Revision

PORTION FOR THE PERIODIC TEST –

PT 1 - **Bee Hive** : The Fun They Had, The Road Not Taken (Poem), The Sound Of Music

Moments : The Lost Child

Grammar : Tenses

Writing : Diary Entry

PT 2 - **Bee Hive**: My Childhood, No Men Are Foreign

Moments : The Last Leaf

Grammar : Reported Speech : Statements, Questions

HINDI

प्रथम सत्र

अप्रैल मई **साहित्य**– (क्षितिज) दो बैलों की कथा कबीर की साखियाँ ल्हासा की ओर ललद्यद : वाख
व्याकरण– अर्थ के आधार पर वाक्य भेद समास –भेद सहित,अपठित गद्यांश-पद्यांश
कला समेकित कार्य– पाठ – दो बैलों की कथा : लघु कथा लेखन, पाठ – ल्हासा की ओर – तिब्बत के प्राकृतिक सौंदर्य पर आधारित एक रूपरेखा तैयार कीजिए

जुलाई /अगस्त साहित्य – (क्षितिज)रसखान : सवैये उपभोक्तावाद की संस्कृति, साँवले सपनों की याद
व्याकरण – औपचारिक व अनौपचारिक पत्र लेखन, अलंकार : शब्दालंकार – अनुप्रास, यमक और अर्थालंकार-उपमा,रूपक, संवाद- लेखन, सूचना-लेखन,लघुकथा- लेखन,औपचारिक ई-मेल लेखन,उपसर्ग- प्रत्यय
कला समेकित कार्य– पाठ- साँवले सपनों की याद– नारा लेखन

सितम्बर **साहित्य**– (कृतिका) इस जल प्रलय में, रीढ़ की हड्डी (कृतिका)
व्याकरण – पुनरावृत्ति

द्वितीय सत्र

अक्तूबर /नवम्बर साहित्य– प्रेमचंद के फटे जूते, ग्राम श्री, मेघ आए, मेरे बचपन के दिन
व्याकरण– समास – भेद सहित, उपसर्ग – प्रत्यय, अर्थ के आधार पर वाक्य भेद
कला समेकित कार्य–पाठ – प्रेमचंद के फटे जूते : संवाद- लेखन पाठ – रीढ़ की हड्डी –अभिनय प्रस्तुति

दिसम्बर /जनवरी साहित्य– मेरे संग की औरतें (कृतिका), कैदी और कोकिला , बच्चे काम पर जा रहे हैं (क्षितिज)
व्याकरण - औपचारिक पत्र लेखन अनौपचारिक पत्र लेखन अलंकार : शब्दालंकार और अर्थालंकार संवाद लेखन
कला समेकित कार्य- पाठ – बच्चे काम पर जा रहे हैं : किसी कामकाजी बच्चे से बात करके पता लगाइए कि अपनी उम्र के बच्चों को विद्यालय जाते देख कर वह कैसा महसूस करता है आप उसकी किस प्रकार मदद कर सकते हैं, लेख लिखिए

फरवरी **साहित्य** – पुनरावृत्ति
व्याकरण – अनुच्छेद लेखन,ई मेल लेखन,सूचना-लेखन , लघु कथा लेखन , पुनरावृत्ति

सामयिक परीक्षा 1

साहित्य- दो बैलों की कथा कबीर की साखियाँ

व्याकरण- समास भेद सहित

सामयिक परीक्षा 2

साहित्य- प्रेमचंद के फटे जूते, ग्राम श्री, मेरे बचपन के दिन

व्याकरण- अर्थ के आधार पर वाक्य- भेद

MATHEMATICS

MONTH	TOPIC
APRIL	NUMBER SYSTEM 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. 2. Examples of non-recurring/non-terminating decimals. Existence of non-rational numbers (irrational numbers) such as $\sqrt{2}$, 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. 3. Definition of nth root of a real number. 4. Rationalization (with precise meaning) of real numbers of the type monomial and binomials
MAY	NUMBER SYSTEM Recall of laws of exponents with integral powers. Rational exponents with positive real bases POLYNOMIALS Recall of algebraic expressions and identities.
JULY	POLYNOMIALS(CONTD.) Zeros of a polynomial, Factorization of polynomial. COORDINATE GEOMETRY The Cartesian plane, coordinates of a point, names and terms associated with the coordinate plane. 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.
AUGUST	EUCLID'S GEOMETRY LINES AND ANGLES Basic terms and definitions intersecting and non intersecting lines, pair of angles, lines parallel to the same line HERON'S FORMULA Area of a triangle using Heron's formula
SEPTEMBER	REVISION

OCTOBER	<p>TRIANGLES Congruence of triangles, Criteria for congruency and some properties of triangles</p> <p>SURFACE AREAS AND VOLUMES Surface areas of right circular cone and sphere volume of right circular cone and sphere.</p>
NOVEMBER	<p>QUADRILATERALS 1. Properties of a parallelogram. 2. The Midpoint Theorem.</p> <p>CIRCLES 1. Equal parts of a circle subtend equal angle at the centre. 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. 3. (Motivate) Equal chords of a circle (or of congruent circles) are equidistant from the center (or their respective centers) and conversely. 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. 5.(Motivate) Angles in the same segment of a circle are equal. 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. 7.(Motivate) The sum of either of the pair of the opposite angles of a cyclic quadrilateral is 180°</p>
DECEMBER	<p>STATISTICS Graphical representation of data bar graph histogram and frequency polygon.</p>
JANUARY	REVISION

PHYSICS

MARCH	<p>MOTION Uniform And Non-Uniform Motion, Speed With Direction, Rate Of Change Of Velocity</p>
APRIL	<p>MOTION Graphical Representation Of Motion</p>
MAY	<p>MOTION Uniform Circular Motion</p>
JULY	<p>FORCE AND LAWS OF MOTION First Law Of Motion, Inertia And Mass, Second Law Of Motion, Third Law Of Motion</p>
AUGUST	<p>GRAVITATION Universal Law Of Gravitation, Free Fall, Mass And Weight</p>
SEPTEMBER	<p>REVISION FIRST TRMINAL EXAM</p>
OCTOBER	<p>GRAVITATION Thrust, Pressure, Pressure In Liquids</p>

NOVEMBER	WORK AND ENERGY Scientific Conception Of Work, Energy
DECEMBER	WORK AND ENERGY Rate Of Doing Work
JANUARY	SOUND Propagation Of Sound, Reflection Of Sound
FEBRUARY	REVISION FINAL EXAM

CHEMISTRY

APRIL	MATTER IN OUR SURROUNDINGS 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.
MAY	MATTER IN OUR SURROUNDINGS 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.
JULY	MATTER IN OUR SURROUNDINGS 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. IS MATTER AROUND US PURE ? Elements, compounds and mixtures. Heterogeneous and homogenous mixtures, colloids and suspensions. Physical and chemical changes (excluding separating the components of a mixture).
AUGUST	IS MATTER AROUND US PURE ? Elements, compounds and mixtures. Heterogeneous and homogenous mixtures, colloids and suspensions. Physical and chemical changes (excluding separating the components of a mixture).
SEPTEMBER	IS MATTER AROUND US PURE ? Elements, compounds and mixtures. Heterogeneous and homogenous mixtures, colloids and suspensions. Physical and chemical changes (excluding separating the components of a mixture).
OCTOBER	ATOMS AND MOLECULES Atoms and molecules, Law of Chemical Combination, Chemical formula of common compounds, Atomic and molecular masses
NOVEMBER	ATOMS AND MOLECULES Atoms and molecules, Law of Chemical Combination, Chemical formula of common compounds, Atomic and molecular masses
DECEMBER	STRUCTURE OF THE ATOM Electrons, protons and neutrons, Valency, Atomic Number and Mass Number, Isotopes and Isobars.

JANUARY	STRUCTURE OF THE ATOM Electrons, protons and neutrons, Valency, Atomic Number and Mass Number, Isotopes and Isobars.
FEBRUARY	REVISION FINAL TERM

BIOLOGY

APRIL	CHAPTER. 5. THE FUNDAMENTAL UNIT OF LIFE Cell - Basic Unit of life : Cell as a basic unit of life; prokaryotic and eukaryotic cells, multicellular organisms; cell membrane and cell wall.
MAY	CHAPTER. 5. THE FUNDAMENTAL UNIT OF LIFE (Continue) Cell organelles and cell inclusions; chloroplast, mitochondria, vacuoles, endoplasmic reticulum, Golgi apparatus; nucleus.
JULY	CHAPTER. 5. THE FUNDAMENTAL UNIT OF LIFE (Continue) Chromosomes – basic structure, number CHAPTER.12. IMPROVEMENT IN FOOD RESOURCES Plant and animal breeding and selection for quality improvement and management;
AUGUST	CHAPTER.12. IMPROVEMENT IN FOOD RESOURCES (Continue) Use of fertilizers and manures; Protection from pests and diseases; Organic farming.
SEPTEMBER	REVISION FIRST TERMINAL EXAM
OCTOBER	CHAPTER.6. TISSUES Meristematic tissues in plants
NOVEMBER	CHAPTER.6. TISSUES (Continue) Permanent tissues in plants.
DECEMBER	CHAPTER.6. TISSUES (Continue) Only four types of tissues in animals
JANUARY	REVISION

HISTORY/ POLITICAL SCIENCE

APRIL	<u>HISTORY</u> The French Revolution: <ul style="list-style-type: none"> ● French Society During the Late Eighteenth Century ● The Outbreak of the Revolution ● France Abolishes Monarchy and Becomes a Republic ● Did Women have a Revolution? ● The Abolition of Slavery ● The Revolution and Everyday Life
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	<p><u>POLITICAL SCIENCE</u></p> <p>What is Democracy? Why Democracy?</p> <ul style="list-style-type: none"> • What is Democracy? • Features of Democracy • Why Democracy? • Broader Meanings of Democracy
MAY	<p><u>HISTORY</u></p> <p>The French Revolution: (Contd..)</p> <ul style="list-style-type: none"> • French Society During the Late Eighteenth Century • The Outbreak of the Revolution • France Abolishes Monarchy and Becomes a Republic • Did Women have a Revolution? • The Abolition of Slavery • The Revolution and Everyday Life <p><u>POLITICAL SCIENCE</u></p> <p>Constitutional Design:</p> <ul style="list-style-type: none"> • Democratic Constitution in South Africa • Why do we need a constitution? • Making of the Indian Constitution • Guiding Values of the Indian Constitution
JULY	<p><u>HISTORY</u></p> <p>Socialism in Europe and the Russian Revolution:</p> <ul style="list-style-type: none"> • The Age of Social Change • The Russian Revolution • The February Revolution in Petrograd • What Changed after October? • The Global Influence of the Russian Revolution and the USSR <p><u>POLITICAL SCIENCE</u></p> <p>Electoral Politics:</p> <ul style="list-style-type: none"> • Why Elections? • What is our System of Elections? • What makes elections in India democratic?
AUGUST	<p><u>HISTORY</u></p> <p>Nazism and the Rise of Hitler:</p> <ul style="list-style-type: none"> • Birth of the Weimar Republic • Hitler's Rise to Power • The Nazi World view • Youth in Nazi Germany • Ordinary People and the Crimes Against Humanity

	<p><u>POLITICAL SCIENCE (Contd..)</u> Electoral Politics:</p> <ul style="list-style-type: none"> ● Why Elections? ● What is our System of Elections? ● What makes elections in India democratic?
<p>SEPTEMBER -</p>	<p><u>HISTORY</u> Nazism and the Rise of Hitler: (Contd..)</p> <ul style="list-style-type: none"> ● Birth of the Weimar Republic ● Hitler's Rise to Power ● The Nazi World view ● Youth in Nazi Germany ● Ordinary People and the Crimes Against Humanity <p><u>POLITICAL SCIENCE</u> Working of Institutions:</p> <ul style="list-style-type: none"> ● How is the major policy decision taken? ● Parliament ● Political Executive ● The Judiciary
<p>OCTOBER</p>	<p><u>HISTORY</u> Forest Society and Colonialism:</p> <ul style="list-style-type: none"> ● Why Deforestation? ● The Rise of Commercial Forestry ● Rebellion in the Forest ● Forest Transformations in Java <p><u>POLITICAL SCIENCE</u> Working of Institutions: (Contd..)</p> <ul style="list-style-type: none"> ● How is the major policy decision taken? ● Parliament ● Political Executive ● The Judiciary
<p>NOVEMBER</p>	<p><u>HISTORY</u> Forest Society and Colonialism: (Contd..)</p> <ul style="list-style-type: none"> ● Why Deforestation? ● The Rise of Commercial Forestry ● Rebellion in the Forest ● Forest Transformations in Java <p><u>POLITICAL SCIENCE</u> Democratic Rights:</p> <ul style="list-style-type: none"> ● Life without Rights

	<ul style="list-style-type: none"> • Rights in a Democracy • Rights in the Indian Constitution • Expanding scope of rights
JANUARY	<p><u>HISTORY</u></p> <p>Pastoralists in the Modern World:</p> <ul style="list-style-type: none"> • Pastoral Nomads and their Movements • Colonial Rule and Pastoral Life • Pastoralism in Africa <p><u>POLITICAL SCIENCE</u></p> <p>Democratic Rights: (Contd..)</p> <ul style="list-style-type: none"> • Life without Rights • Rights in a Democracy • Rights in the Indian Constitution • Expanding scope of rights
FEBRUARY	<p>REVISION</p> <p>ANNUAL EXAM</p>

PORTION FOR THE PERIODIC TEST –

PT 1 - History : French Revolution (till page 9)
Political Science : Why Democracy (Full chapter)

PT 2 - History : Pastoralists in the Modern world
Political Science : Working of Institutions

GEOGRAPHY

MARCH / APRIL	CHAPTER 1 – INDIA – SIZE AND LOCATION India and the World, India’s Neighbours
MAY / JULY	CHAPTER 2 – PHYSICAL FEATURES OF INDIA Major Physiographic Divisions
AUGUST / SEPTEMBER	CHAPTER 3 - DRAINAGE Major rivers and tributaries, Lakes, Role of rivers in the economy, Pollution of rivers
SEPTEMBER/ OCTOBER	CHAPTER 4 - CLIMATE Concept – Climatic Controls, Factors influencing India’s climate, The Indian Monsoon, Distribution of Rainfall, Monsoon as a unifying bond.
NOVEMBER / DECEMBER	CHAPTER 5 – NATURAL VEGETATION AND WILD LIFE Types of Forests – Inter Disciplinary Project Wild Life - Conservation CHAPTER 6 - POPULATION

JANUARY/ FEBRUARY	CHAPTER 6 - POPULATION Size, Distribution, Population Growth and Process of Population Change
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ECONOMICS

MARCH - MAY	CHAPTER 1 – THE STORY OF VILLAGE PALAMPUR Overview, Organization of production, Farming in Palampur, Non Farm Activities of Palampur
JULY - SEPTEMBER	CHAPTER 2 – PEOPLE AS RESOURCE Overview, Economic Activities by men and women, Quality of Population, Unemployment
OCTOBER / NOVEMBER	CHAPTER 3 – POVERTY AS A CHALLENGE Two typical cases of poverty, Poverty as seen by Social Scientists, Poverty Estimates, Vulnerable Groups, Interstate Disparities, Global Poverty Scenario, Causes of Poverty, Anti Poverty measures, The Challenges Ahead CHAPTER 4 – FOOD SECURITY IN INDIA Overview
DECEMBER - FEBRUARY	CHAPTER 4 – FOOD SECURITY IN INDIA What is Food Security?, Why Food Security?, Why Food Security?, Who are food insecure, Food Security in India, What is Buffer Stock?, What is the Public Distribution System?, Current Status of Public Distribution System