



CLASS-X

SYLLABUS 2024-25

MATHEMATICS

April	<ul style="list-style-type: none">• REAL NUMBERS• POLYNOMIALS• PAIR OF LINEAR EQUATIONS IN TWO VARIABLES
May	<ul style="list-style-type: none">• QUADRATIC EQUATIONS• STATISTICS• PROBABILITY
July	<ul style="list-style-type: none">• ARITHMETIC PROGRESSION• TRIANGLES• CO-ORDINATE GEOMETRY
Aug	<ul style="list-style-type: none">• CIRCLES• INTRODUCTION TO TRIGONOMETRY• AREA RELATED TO CIRCLES
September	REVISIONS
October	<ul style="list-style-type: none">• APPLICATIONS OF TRIGONOMETRY• SURFACE AREA AND VOLUME
November	REVISION
December	REVISION
January	REVISION
February	Practicals and revision
<u>Syllabus</u>	
Unit Test -1	REAL NUMBERS , POLYNOMIALS , PAIR OF LINEAR EQUATIONS IN TWO VARIABLES ,
Mid-Term	REAL NUMBERS , POLYNOMIALS , PAIR OF LINEAR EQUATIONS IN TWO VARIABLES , PROBABILITY , STATISTICS, QUADRATIC EQUATIONS , ARITHMETIC PROGRESSION , TRIANGLES , CIRCLES INTRODUCTION TO TRIGONOMETRY , CO-ORDINATE GEOMETRY
Unit Test - 2	APPLICATION OF TRIGONOMETRY , AREA RELATED TO CIRCLES .

SCIENCE

April	<p>Chapter 1- Chemical reactions and equations(Chemical equation, Balanced chemical equation, implications of a balanced chemical equation) Chapter 5- Life Process(‘Living Being’. Basic concept of nutrition)</p>
May	<p>Chapter 1- Chemical reactions and equations(types of chemical reactions: combination, decomposition, displacement, double displacement, precipitation, oxidation and reduction, rancidity) Chapter 5- Life Process(nutrition, respiration, in plants and animals.) Chapter 9- Light reflection and Refraction (Reflection of light by curved surfaces; Images formed by spherical mirrors, centre of curvature, principal axis, principal focus, focal length, mirror formula, magnification) PRACTICALS 1.Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions: i) ZnSO₄(aq) ii) FeSO₄(aq) iii) CuSO₄(aq) iv) Al₂ (SO₄)₃(aq) Arranging Zn, Fe, Cu and Al (metals) in the decreasing order of reactivity based on the above result. 2.Performing and observing the following reactions and classifying them into: A. Combination reaction B. Decomposition reaction C. Displacement reaction D. Double displacement reaction (i) Action of water on quicklime (ii) Action of heat on ferrous sulphate crystals (iii) Iron nails kept in copper sulphate solution (iv) Reaction between sodium sulphate and barium chloride solutions 3.Preparing a temporary mount of a leaf peel to show stomata.</p>
July	<p>Chapter 2- Acids, bases and salts: (Their definitions in terms of furnishing of H⁺ and OH⁻ ions, General properties, examples and uses, concept of pH scale ,importance of pH in everyday life;) Chapter 5- Life Process(transport and excretion in plants and animals.) Chapter 9- Light reflection and Refraction(magnification. Refraction; Laws of refraction, refractive index. Refraction of light by spherical lens; Image formed by spherical lenses; Lens formula (Derivation not required); Magnification. Power of a lens.) PRACTICALS 1.A. Finding the pH of the following samples by using pH paper/universal indicator: Unit-I (i) Dilute Hydrochloric Acid (ii) Dilute NaOH solution (iii) Dilute Ethanoic Acid solution (iv) Lemon juice (v) Water (vi) Dilute Hydrogen Carbonate solution B. Studying the properties of acids and bases (HCl & NaOH) on the basis of their reaction with: a) Litmus solution (Blue/Red) b) Zinc metal c) Solid sodium carbonate 2. Experimentally show that carbon dioxide is given out during respiration. 3.Tracing the path of a ray of light passing through a rectangular glass slab for different angles of incidence. Measure the angle of incidence, angle of refraction, angle of emergence and interpret the result. 4.Determination of the focal length of: i) Concave mirror ii) Convex lens by obtaining the image of a distant object</p>
August	<p>Chapter 2- Acids, bases and salts: (preparation and uses of Sodium Hydroxide, Bleaching powder, Baking soda, Washing soda and Plaster of Paris) Chapter 10- Human Eye and Colorful World (Refraction of light through a prism, dispersion of light, scattering of light, applications in daily life.) Chapter 13 – Our environment: (Eco-system, Environmental problems, Ozone depletion, waste production and their solutions. Biodegradable and non-biodegradable substances) PRACTICALS 1.Study of the following properties of acetic acid (ethanoic acid): i) Odour ii) solubility in water iii) effect on litmus iv) reaction with Sodium Hydrogen Carbonate 2.Tracing the path of the rays of light through a glass prism.</p>

September	<p>Chapter 3- Metals and nonmetals: (Properties of metals and non-metals; Reactivity series; Formation and properties of ionic compounds)</p> <p>Chapter 6-Control and co-ordination in animals and plants: (Tropic movements in plants; Introduction of plant hormones;)</p> <p>Chapter 11- Electricity Electric current, potential difference and electric current. Ohm's law; Resistance, Resistivity, Factors on which the resistance of a conductor depends. Series combination of resistors, parallel combination of resistors and its applications in daily life.</p> <p>PRACTICALS 1.Studying the dependence of potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also plotting a graph between V and I</p>
October	<p>Chapter 3- Metals and nonmetals: (Basic metallurgical processes; Corrosion and its prevention.)</p> <p>Chapter 4- Carbon compounds: (Covalent bonding in carbon compounds. Versatile nature of carbon. Homologous series</p> <p>Chapter 6-Control and co-ordination in animals and plants(Control and co-ordination in animals: Nervous system; Voluntary, involuntary and reflex action; Chemical co-ordination ,animal hormones)</p> <p>Chapter 11- Electricity (parallel combination of resistors and its applications in daily life. Heating effect of electric current and its applications in daily life. Electric power, Interrelation between P, V, I and R)</p> <p>PRACTICALS 1.Determination of the equivalent resistance of two resistors when connected in series and parallel. 2.Study of the comparative cleaning capacity of a sample of soap in soft and hard water.</p>
November	<p>Chapter 4- Carbon compounds: Covalent bonding in carbon compounds. Versatile nature of carbon. Homologous series . Nomenclature of carbon compounds containing functional groups (halogens, alcohol, ketones, aldehydes, alkanes and alkynes), difference between saturated hydro carbons and unsaturated hydrocarbons. Chemical properties of carbon compounds (combustion, oxidation, addition and substitution reaction). Ethanol and Ethanoic acid (only properties and uses), soaps and detergents)</p> <p>Chapter 7-How do organisms reproduce</p> <p>Chapter 12- Magnetic effects of current</p> <p>PRACTICALS 1.Studying (a) binary fission in Amoeba, and (b) budding in yeast and Hydra with the help of prepared slides. 2..Identification of the different parts of an embryo of a dicot seed (Pea, gram or red kidney bean).</p>
December	Chapter 8 Heredity:
January	Pre board.
February	Board exams
Syllabus	
Unit Test -1	<p>Chapter 1- Chemical reactions and equations</p> <p>Chapter 2- Acids, bases and salts:</p> <p>Chapter 5- Life Process(‘Living Being’. Basic concept of nutrition, nutrition and respiration in plants and animals)</p> <p>Chapter 9- Light reflection and Refraction(Reflection of light by curved surfaces; Images formed by spherical mirrors,)</p>

Mid-Term	<p>Chapter 1- Chemical reactions and equations Chapter 2- Acids, bases and salts Chapter 5- Life Process Chapter 9- Light reflection and Refraction Chapter 10- Human Eye and Colorful World Chapter 13 – Our environment</p>
Unit Test - 2	<p>Chapter 1- Chemical reactions and equations Chapter 2- Acids, bases and salts Chapter 3- Metals and nonmetals Chapter 4- Carbon compounds: Chapter 5- Life Process Chapter 6-Control and co-ordination in animals and plants Chapter 7-How do organisms reproduce Chapter 8 Heredity Chapter 9- Light reflection and Refraction Chapter 10- Human Eye and Colorful World Chapter 11- Electricity Chapter 12- Magnetic effects of current Chapter 13 – Our environment</p>
Final Term	<u>WHOLE SYLLABUS</u>
Internal assessment	
Management of Natural Resources	

SOCIAL SCIENCE

April	HISTORY – NATIONALISM IN EUROPE POL SCI - POWER SHARING ECO - DEVELOPMENT GEO - RESOURCES AND DEVELOPMENT
May	HISTORY - NATIONALISM IN INDIA POL SCI - FEDERALISM GEO - FOREST AND WILDLIFE
July	HISTORY- NATIONALISM IN INDIA (CONTD) POL SCI -GENDER , RELIGION AND CASTE GEO - WATER RESOURCES ECO - SECTORS OF INDIAN ECONOMY
August	HISTORY – THE MAKING OF GLOBAL WORLD (PG 77 TO 80) POL SCI - MONEY AND CREDIT GEO - AGRICULTURE
September	HALF YEARLY EXAMS
October	HISTORY - PRINT CULTURE POL SCI - POLITICAL PARTIES GEO - MINERALS AND ENERGY RESOURCES
November	HISTORY - PRINT AND CULTUE (CONTD) POL SCI - OUTCOMES OF DEMOCRACY ECO - GLOBALIZATION GEO - MANUFACTURING INDUSTRIES
December	HISTORY- REVISION POL SCI – REVISION ECO - GLOBALIZATION (CONTD) GEO - LIFELINES TO INDIAN ECONOMY
January	PRE- BOARDS
February	REVISION
UT-1	HIST- NATIONALISM IN EUROPE POL SCI -POWER SHARING ECO - DEVELOPMENT GEO - MINERALS AND ENERGY RESOURCES
Mid-Term	ALL THE CHAPTERS COVERED TILL AUGUST
UT- 2	HIST - PRINT CULTURE POL SCI - POLITICAL PARTIES ECO - GLOBALIZATION GEO - MANUFACTURING INDUSTRIES
PRE-BOARD	FULL SYLLABUS

ENGLISH

March & April	<p>FIRST FLIGHT</p> <ul style="list-style-type: none"> • A letter to God • Nelson Mandela-A long walk to freedom <p>POEMS</p> <ul style="list-style-type: none"> • Dust of Snow • Fire & Ice • Tiger in the Zoo
May	<p>FIRST FLIGHT</p> <ul style="list-style-type: none"> • Two Stories about flying <p>POEMS</p> <ul style="list-style-type: none"> • How to tell wild animals <p>FOOTPRINT WITHOUT FEET</p> <ul style="list-style-type: none"> • A triumph of surgery • The thief's story <p>GRAMMAR</p> <ul style="list-style-type: none"> • Integrated grammar practice-Editing, omission, rearranging of sentences <p>WRITING SKILLS Letter –placing order, enquiry</p>
July	<p>FIRST FLIGHT</p> <ul style="list-style-type: none"> • From the Diary of Anne Frank • Glimpses of India <p>POEMS</p> <ul style="list-style-type: none"> • The Ball Poem <p>FOOTPRINT WITHOUT FEET</p> <ul style="list-style-type: none"> • Midnight Visitor
August	<p>FIRST FLIGHT</p> <ul style="list-style-type: none"> • Mijbil the otter • Madam Rides the bus <p>POEMS</p> <ul style="list-style-type: none"> • Amanda <p>FOOTPRINT WITHOUT FEET</p> <ul style="list-style-type: none"> • A question of trust • The Making of Scientist
September	<p>FIRST FLIGHT</p> <p>POEMS</p> <ul style="list-style-type: none"> • Trees • Fog <p>Writing Skills Letter- Complaint, Letter to editor & Analytical Paragraph</p>
October	<p>FIRST FLIGHT</p> <ul style="list-style-type: none"> • The Sermon at Benaras <p>POEMS</p> <ul style="list-style-type: none"> • The Tale of Custard, the Dragon <p>FOOTPRINT WITHOUT FEET</p> <ul style="list-style-type: none"> • The Necklace
November	<p>FIRST FLIGHT</p> <ul style="list-style-type: none"> • The Proposal <p>POEMS</p> <ul style="list-style-type: none"> • For Anne Gregory <p>FOOTPRINT WITHOUT FEET</p> <ul style="list-style-type: none"> • Bholi

December	FOOTPRINTS WITHOUT FEET <ul style="list-style-type: none"> The Book that saved the world GRAMMAR <ul style="list-style-type: none"> Revision of earlier concepts WRITING SKILLS Revision of earlier concepts.
Jan & Feb	Pre-Board Exams

Syllabus	
UT-1 / Quarterly Exam	FIRST FLIGHT A letter to God, Nelson Mandela-A long walk to freedom, Two Stories about flying Poems- Dust of Snow, Fire & Ice, Tiger in the Zoo, How to tell wild animals FOOTPRINTS WITHOUT FEET A triumph of Surgery, The thief's story Writing Skills – Letter of Placing Order and Enquiry Grammar - Integrated grammar
Mid-term	FIRST FLIGHT A letter to God, Nelson Mandela-A long walk to freedom, Two Stories about flying , From the Diary of Anne Frank, Mijbil the otter, Glimpses of India, Madam rides the bus. Poems- Dust of Snow, Fire & Ice, Tiger in the Zoo, How to tell wild animals, the Ball poem, Fog, Trees, Amanda FOOTPRINTS WITHOUT FEET A triumph of Surgery, The thief's story, The Midnight Visitor, A question of trust, The making of a scientist Writing Skills – Letter of Placing Order and Enquiry, Complaint , Letter to Editor Analytical Paragraph Grammar - Integrated grammar
UT-2	FIRST FLIGHT The Sermon at Benaras, The proposal Poem – The tale of custard, the Dragon, For Anne Gregory FOOTPRINTS WITHOUT FEET The Necklace, Bholi
Pre-Board	Complete Syllabus

HINDI

अप्रैल	बड़े भाई साहब, डायरी का एक पन्ना, कबीर की साखी, व्याकरण- मुहावरे , अनुच्छेद
मई	शब्दों के पद, शब्द- हरहर काका शब्दों के आधार पर वाक्य भेद, समास, पत्र लेखन (औपचारिक), पदबंध, वक्तापन, सूचना लेखन
जुलाई	शारदा-वामीरो कथा, तीसरी कसम के विलपकार- शैलेन्द्र, (कवता)- मनुष्यता, व्याकरण -लघु कथा लेखन तथा इमेल लेखन
अगस्त	शब्दों- पत पदों में पावस, पाठ- अब कहाँ दूसरों के दुख से दुखी होने वाले संचयन-पाठ 2 सपनों के स वदन। रण दोहराव
हतिबर	वक्तापन परीक्षा -पतझड में टूटी पवियां- झेन की देन, वित्री का सोना।
अक्टूबर	कारतूस, कवता-कर चले हम शिवा तथा तोप । करण- समास, पदबंध, रचना के आधार पर वाक्य भेद और मुहावरे ।
नवंबर	शा- आत्मनाम। यन- पाठ 3 - टोपी शुकला खन कौशल का दोहराव- अनुच्छेद, पत्र, सूचना लेखन, वक्तापन, ई-मेल लेखन व लघु कथा लेखन।
हदंबर	ठ्यक्रम का दोहराव
Syllabus	
UT-1 / Quarterly Exam	शे भाई साहब, डायरी का एक पन्ना, कबीर की साखी, मीरा के पद और हरहर काका। व्याकरण - समास, मुहावरे, रचना के आधार पर वाक्य भेद, और पदबंध दोहराएँ । खन कौशल - औपचारिक पत्र अनुच्छेद वक्तापन और सूचना लेखन दोहराएँ व अभ्यास करें ।
Mid-term	का पाठ्यक्रम तथा पाठ वामीरो कथा, तीसरी कसम के विलपकार- शैलेन्द्र, अब कहाँ दूसरों के दुख से दुखी होने वाले। कवता- मनुष्यता, पत पदों में पावस, पतझड में टूटी पवियां- झेन की देना यन से हरहर काका और सपनों के स वदन। करण- समास, रचना के आधार पर वाक्य भेद, मुहावरे और पदबंध। लेखन कौशल- अनुच्छेद, पत्र (औपचारिक), सूचना लेखन, वक्तापन लेखन, ईमेल लेखन, तथा लघु कथा।
Pre-Board	ल से ले कर नवंबर तक का करायी गिया सभी काय

MARKETING & SALES

April-May	<p>PART A: Employability Skill</p> <ul style="list-style-type: none"> • Communication Skills (Unit 1) <p>PART B: Subject Skills</p> <ul style="list-style-type: none"> • Unit 1: Sales with other functionsIntroduction to Marketing Mix Unit 2: Market (Segmentation, Targeting and Positioning)
July	<p>PART A: Employability Skill</p> <ul style="list-style-type: none"> • Self-Management Skills <p>PART B: Subject Skills</p> <ul style="list-style-type: none"> • Basic Concepts of Sales
August	<p>PART A: Employability Skill</p> <ul style="list-style-type: none"> • Basic ICT Skills (Unit 3) <p>PART B Subject Skills</p> <ul style="list-style-type: none"> • Unit 3: Basic concept of Sales (Contd) • Career in Selling
September	REVISION
October	<p>PART A: Employability Skill</p> <ul style="list-style-type: none"> • Entrepreneurial Skills (Unit 4) <p>PART B Subject Skills</p> <ul style="list-style-type: none"> • Career in Selling • Skills in Selling
November	<p>PART A: Employability Skill</p> <ul style="list-style-type: none"> • Green Skills <p>PART B Subject Skills</p> <ul style="list-style-type: none"> • Skills in Selling
December	Revision
January & Feb	Pre-Board
Syllabus	
UT-1	<p style="text-align: right;">PART A: Employability Skill</p> <ul style="list-style-type: none"> • Communication Skills (Unit 1) <p>PART B: Subject Skills</p> <p style="text-align: center;">Unit 1: Sales with other functionsIntroduction to Marketing Mix</p> <p style="text-align: center;">Unit 2: Market (Segmentation, Targeting and Positioning)</p>
Mid-Term	<p style="text-align: right;">PART A: Employability Skill</p> <ul style="list-style-type: none"> • Self Management Skills (Unit 2) • Basic ICT Skills (Unit 3) <ul style="list-style-type: none"> • Communication Skills (Unit 1) <p>PART B Subject Skills</p> <p style="text-align: center;">Unit 1: Sales with other functionsIntroduction to Marketing Mix</p> <p style="text-align: center;">Unit 2: Market (Segmentation, Targeting and Positioning)</p> <p style="text-align: center;">Unit 3 : Basic Concepts of Sales</p>
UT-2	<p style="text-align: right;">PART A: Employability Skill</p> <ul style="list-style-type: none"> • Entrepreneurial Skills (Unit 4) <p>PART B Subject Skills</p> <p style="text-align: center;">Career in Selling , Skills in selling</p>
Pre-Board	Complete Syllabus

Information Technology

April	PART A: Employable Skill <ul style="list-style-type: none"> • Communication Skills (Unit 1)
May	Part A : Employability Skill <ul style="list-style-type: none"> • Unit-4 Entrepreneurial Skills Part B : Subject Skill <ul style="list-style-type: none"> • Unit-1 Digital Documentation
July	Part A : Employability Skill <ul style="list-style-type: none"> • Unit-2 Self- Management Skills Part B : Subject Skill <ul style="list-style-type: none"> • Unit-2 Electronic Spreadsheet
August	PART A: Employability Skill <ul style="list-style-type: none"> • Unit 3 ICT Skills PART B Subject Skills <ul style="list-style-type: none"> • Web application and security
September	PART B Subject Skills Web application and security(contd)Revision
October	PART B Subject Skills <ul style="list-style-type: none"> • Database Management System
November	PART A: Employability Skill <ul style="list-style-type: none"> • Unit 5 Green Skills
December	Revision
Jan & Feb	Pre-Board & Practical
Syllabus	
UT-1	PART A: Employability Skill <ul style="list-style-type: none"> • Unit-1 Communication Skills Part B : Subject Skill <ul style="list-style-type: none"> • Unit-1 Digital Documentation
Mid-Term	Part A : Employability Skill <ul style="list-style-type: none"> • Self- Management Skills • Communication Skills (Unit 1) • Entrepreneurial Skills • ICT Skills Part B : Subject Skill <ul style="list-style-type: none"> • Unit-2 Electronic Spreadsheet • Digital Documentation • Web application and security
UT-2	Part B : Subject Skill <ul style="list-style-type: none"> • Database Management System • Green Skills
Pre-Board	Complete Syllabus