— In collaboration with —
Mayo College, Ajmer 1875 AD

MAYOR WORLD SCHOOL
inspiring excellence

MONTH-WISE SYLLABUS
GRADE X (2026-27)

ENGLISH

MARCH

Writing skills

Letter to Editor

Formal Letter

Literature

First Flight:

Chapter 1: A Letter to God

Poem 1: Dust of Snow

Footprints without Feet:

Chapter 1: A Triumph of Surgery

APRIL

Reading skills

Comprehension

Writing skills

Analytical paragraph

Grammar:

Tenses

Modals

Literature:

First Flight

Chapter 2: Nelson Mandela: Long Walk to Freedom

Poem 2: Fire and Ice

Poem 3: A Tiger in the Zoo

Footprints without Feet:

Chapter 2: The Thief's Story

MAY

Reading skills

Comprehension

Grammar:

Subject-Verb Concord

Literature:

First Flight

Chapter 3: Two Stories about Flying

Poem 4: How to Tell Wild Animals

Footprints without Feet:

Chapter 3: The Midnight Visitor

JULY

Reading skills

Comprehension

Grammar

Reported Speech

Literature:

First Flight

Chapter 4: From Diary of Anne Frank

Chapter 5: Glimpses of India

Poem 5: The Ball Poem

Poem 6: Amanda

Footprints without Feet:

Chapter 4: Question of Trust

Chapter 5: Footprints without Feet

AUGUST

Grammar

Determiners

Literature:

First Flight

Chapter 6:	Mijbil the Otter
Chapter 7:	Madam Rides the Bus
Poem 7:	The Trees
Poem 8:	Fog

Footprints without Feet:

Chapter 6:	The Making of a Scientist
Chapter 7:	The Necklace

OCTOBER

Literature:

First Flight

Chapter 8:	The Sermon at Benares
Poem 9:	The Tale of Custard the Dragon
Chapter 10:	The Proposal
Poem 10:	Anne Gregory

Footprints without Feet:

Chapter 8:	Bholi
Chapter 9:	The Book That Saved The Earth

SCIENCE

March

CHEMISTRY

Chapter-1	**Chemical Reactions and Equations**
Sub-Topic	Chemical equation, Balanced chemical equation.

PHYSICS

Chapter: 9	**Light- Reflection and Refraction**
Sub-Topic	Reflection of light by curved surfaces; Images formed by spherical mirrors, center of curvature, principal axis, principal focus, focal length, mirror formula (Derivation not required), magnification. Refraction; Laws of refraction, refractive index. Refraction of light by spherical lens; Images formed by spherical lenses; Lens formula (Derivation not required), Magnification, Power of a lens.

BIOLOGY

Chapter-5 **Life Processes**

Sub-Topic: 'Living Being'. Basic concept of nutrition, respiration, transport and excretion in plants and animals.

April

PHYSICS

Chapter: 9 **Light- Reflection and Refraction (Continued).**

Activity: 1. Determination of the focal length of:

i) Concave mirror
ii) Convex lens by obtaining the image of a distant object.

2. 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.
3. Finding the image distance for varying object distances in case of a convex lens and drawing corresponding ray diagrams to show the nature of image formed.

CHEMISTRY

Chapter-1 **Chemical Reactions and Equations**

Sub-Topic Implications of a balanced chemical equation, types of chemical reactions: combination, decomposition, displacement, double displacement, precipitation, neutralization, oxidation and reduction.

Activity: Performing and observing the following reactions and classifying them into:

Combination reaction, Decomposition reaction, Displacement reaction, Double displacement reaction
1. Action of water on quicklime.
2. Action of heat on Ferrous sulphate crystals.
3. Iron nails kept in Copper sulphate solution.
4. Reaction between Sodium sulphate and barium chloride solutions.

BIOLOGY

Chapter-5 **Life Processes Cont.**

Sub-Topic: 'Living Being'. Basic concept of nutrition, respiration, transport and excretion in plants and animals.

Activity:

1. Preparing a temporary mount of a leaf peel to show stomata.
2. Lime water activity to show that carbon dioxide is given out during respiration.
3. Comic Script making
4. Identification of the different parts of an embryo of a dicot seed (Pea, gram or red kidney bean).

May

PHYSICS

Chapter: 9 **Light- Reflection and Refraction (Continued)**

CHEMISTRY

Chapter: 2 **Acids, Bases and Salts**

Sub-Topic: Their definitions in terms of furnishing of H+ and OH– ions, General properties, examples and uses, concept of pH scale (Definition relating to logarithm not required), importance of pH in everyday life; preparation and uses of Sodium Hydroxide, Bleaching powder, Baking soda, Washing soda and Plaster of Paris.

Activity: 1. Finding the pH of the following samples by using pH paper/universal indicator:

- Dilute Hydrochloric Acid
- Dilute NaOH solution
- Dilute Ethanoic Acid solution
- Lemon juice
- Water
- Dilute Hydrogen Carbonate solution

2. 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

BIOLOGY

Chapter-5 **Life Processes (Continued).**

Chapter: 6 **Control and Coordination**

Sub-Topic: Tropic movements in plants; Introduction of plant hormones; Control and co-ordination in animals: Nervous system; Voluntary, involuntary and reflex action; Chemical co-ordination: animal hormones.

July

PHYSICS

Chapter- 10 **Human Eye and its colourful World**

Sub-Topic: Functioning of a lens in human eye, defects of vision and their corrections, applications of spherical mirrors and lenses. Refraction of light through a prism, dispersion of light, scattering of light, applications in daily life.

Activity: Tracing the path of the rays of light through a glass prism.

CHEMISTRY

Chapter 3 **Metals and Non-metals**

Sub-Topic: Properties of metals and non-metals; Reactivity series; Formation and properties of ionic compounds; Basic metallurgical processes; Corrosion and its prevention.

Activity: Observing the action of Zn, Fe, Cu and Al metals on the following salt solutions:

$ZnSO_4(aq)$
$FeSO_4(aq)$
$CuSO_4(aq)$
$Al_2(SO_4)_3(aq)$

Arranging Zn, Fe, Cu and Al (metals) in the decreasing order of reactivity based on the above result.

BIOLOGY

Chapter: 6 **Control and Coordination (Continued).**

Activity:

1. Model based activity: Neuron
2. Recognizing and Remembering based activity
3. Check your reflexes activity.

August

PHYSICS

Chapter- 11 **Electricity**

Sub-Topic: 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. Heating effect of electric current and its applications in daily life. Electric power, Interrelation between P, V, I and R.

Activity:

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.
2. Determination of the equivalent resistance of two resistors when connected in series and parallel.
3. Discussing the role of Artificial Intelligence in the field of Power management.

CHEMISTRY

Chapter: 3 Metals and Non-metals (Continued)

BIOLOGY

Chapter: 7 **How do Organisms Reproduce?**

Sub-Topic: Reproduction in animals and plants (asexual and sexual) reproductive health-need and methods of family planning. Safe sex vs HIV/AIDS. Child bearing and women's health.

Activity:
1. Studying (a) binary fission in *Amoeba,* and (b) budding in yeast/Hydra with the help of prepared slides.
2. Think-Pair-Share activity based on modes of reproduction.

October

PHYSICS

Chapter 12 **Magnetic Effects of Electric Current**

Sub-Topic: Magnetic field, field lines, field due to a current carrying conductor, field due to current carrying coil or solenoid; Force on current carrying conductor, Fleming's Left Hand Rule, Direct current, Alternating current: frequency of AC. Advantage of AC over DC. Domestic electric circuits.

Activity:
1. To trace the magnetic field lines around a bar magnet using iron fillings.
2. Demonstrating the use of different colours of wires and fuse box used in domestic wiring.
3. To study the effect of induced current.

CHEMISTRY

Chapter 4 **Carbon and its Compounds**

Sub-Topic: 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.

Activity: 1. Study of the following properties of acetic acid (ethanoic acid):

Odour
solubility in water
effect on litmus
reaction with Sodium Hydrogen Carbonate
Learning structures of carbon and its compounds using molecular model kit.

BIOLOGY

Chapter: 8 **Heredity**

Sub-Topic: Heredity; Mendel's contribution- Laws for inheritance of traits: Sex determination.

Activity:

. 1. Make a chart of recessive and dominant traits in you.

Chapter- 13 **Our Environment**

Sub-Topic: Eco-system, Environmental problems, Ozone depletion, waste production and their solutions. Biodegradable and non-biodegradable substances.

Activity: 1. Recycling of waste

2. Composting

Portfolio: **Management of Natural resources**

SOCIAL SCIENCE

March

Geography:

Chapter 1 Resources and Development

Sub-Topics: Development of Resources, Resource Planning in India ,Conservation of Resources, Land Resources, Land Utilization, Land Use Pattern in India, Land Degradation and Conservation Measures, Soil as a Resource, Classification of Soils, Soil Erosion and Soil Conservation (Excluding box information on state of India's environment)

Activity: Distribution of soil in India through map.

Civics:

Chapter 1 Power Sharing

Sub- Topics: Case Studies of Belgium and Sri Lanka, Why power sharing is desirable? Forms of Power Sharing.

Activity: Paste map of Sri Lanka and Belgium on notebook.

April

Geography

Chapter 2 Forest and Wildlife Resources

Sub-Topics: Conservation of forest and wildlife in India, Types and distribution of forests and wildlife resources, Community and Conservation

Civics

Chapter 2 Federalism

Sub-Topics: What is Federalism? What make India a Federal Country? How is Federalism practiced? Decentralization in India.

Activity: Flow Chart on notebook showing composition of Rural and Urban Local Bodies.

Economics:

Chapter 1	Development
Sub-Topics:	What Development Promises - Different people different goals , Income and other goals, National Development. How to compare different countries or states? Income and other criteria , Public Facilities, Sustainability of development
Activity:	Calculation of Body Mass Index (BMI) of each student in the class and their parents.

May

History

Chapter 1	The Rise of Nationalism in Europe
Sub-Topics:	The French Revolution and the Idea of the Nation , The Making of Nationalism in Europe, The Age of Revolutions: 1830-1848, The Making of Germany and Italy, Visualizing the Nation, Nationalism and Imperialism.
Activity:	Write biography of any one historical character from Europe.

History:

Chapter 3	The Making of a Global World
Sub-Topics:	The Pre-modern world, The Nineteenth Century (1815-1914), The Inter war Economy, Rebuilding a World Economy: The Post-War Era

Economics:

Chapter 2	Sectors of the Indian Economy
Sub-Topics:	Sectors of Economic Activities, Comparing the three sectors. Primary, Secondary and Tertiary Sectors in India, Division of sectors as organized and unorganized, Sectors in terms of ownership: Public and Private Sectors.
Activity:	Collect GDP data of India, Pakistan and China for the past 10 years and make a Bar Diagram on Notebook.

Geography:

Chapter 3:	Water Resources
Sub-Topics:	Water Scarcity and The Need for Water Conservation and Management, Multi-Purpose River Projects and Integrated Water Resources Management, Rainwater Harvesting
Activity:	Making a list of inter- state water disputes.

July

History

Chapter 2	Nationalism in India
Sub-Topics:	The First World War, Khilafat and Non – Cooperation, Differing Strands within the Movement, Towards Civil Disobedience, The Sense of Collective Belonging.
Activity:	Quiz on Movements led by Mahatma Gandhi.

Geography:

Chapter 4:	Agriculture
Sub-Topics:	Types of farming, Cropping Pattern - Major Crops, Food crops other than grains, Non Food crops, Technological and Institutional Reforms, Food Security (Excluding Impact of Globalization on Agriculture
Activity	Debate: Food security in India – its need and efforts

August

Civics:

Chapter 4	Gender, Religion and Caste
Sub-Topics:	Gender and Politics, Religion, Communalism and Politics, Caste and Politics (Excluding image on page 46, 48, 49 of NCERT Textbook – Democratic Politics –II - reprinted edition 2021) Caste and Politics - Caste inequalities, Caste in politics, Politics in caste)

Economics:

Chapter 3	Money and Credit
Sub-Topics:	Money as a medium of exchange, Modem forms of money , Loan activities of Banks, Two different credit situations , Terms of credit, Formal sector credit in India, Self Help Groups for the Poor
Activity:	PPT on “Know your Bank Notes.”

Geography:

Chapter 7:	Lifelines of National Economy (Map work only)
Activity:	Inter disciplinary project

October

History:

Chapter 5	Print Culture and Modern World
Sub-Topics:	The First Printed Books, Print Comes to Europe, The Print Revolution and its Impact, The Reading Mania, The Nineteenth Century, India and the World of Print, Religious Reform and Public Debates, New Forms of Publication, Print and Censorship.

Civics:

Chapter 6	Political Parties
Sub-Topics:	Why do we need Political Parties? , How many Parties should we have? , National Political Parties, State Parties, Challenges to Political Parties, How can Parties be reformed?
Activity:	Frame a Manifesto by making Hypothetical Party.
Chapter 7	Outcomes of Democracy
Sub-Topics:	How do we assess democracy's outcomes? , Accountable, responsive and legitimate government, Economic growth and development, Reduction of inequality and poverty, Accommodation of social diversity, Dignity and freedom of the citizens

Economics

Chapter 4:	Globalization and the Indian Economy
Sub-Topics:	Production across countries. Interlinking production across countries, Foreign Trade and integration of markets, What is globalization? Factors that have enabled Globalization, World Trade Organization. Impact of Globalization on India. The Struggle for a fair Globalization.
Activity:	Take some branded products that we use every day (soaps, toothpaste, garments, electronic goods, etc.). Check which of these are produced by MNCs and paste their pictures on Notebook.

Geography:

Chapter 5:	Minerals and Energy Resources
Sub-Topics:	What is a mineral? Mode of occurrence of Minerals, Ferrous and Non-Ferrous Minerals, Non-Metallic Minerals, Rock Minerals, Conservation of Minerals, Energy Resources: Conventional and Non-Conventional, Conservation of Energy Resources
Activity:	Visit to Solar power plant (an alternative source of energy) in the school and knowing about its working
Chapter 6:	Manufacturing Industries
Sub-Topics:	Importance of manufacturing, Industrial location (Excluding Industry Market Linkage), Agro based industry (Excluding Cotton Textiles, Jute Textiles, Sugar Industry), Mineral based Industries (Excluding Iron and steel industry, Cement Industry) Industrial Pollution and environmental degradation, Control of Environmental Degradation
Activity:	Field visit: Manufacturing industry (Combine with History)

MATHEMATICS

March

Chapter 2 **Polynomial**

Zeroes of the polynomial. Relationship between zeroes and coefficients of quadratic polynomials.

April

Chapter 3 **Pair of Linear Equations in Two Variables**

Pair of linear equations in two variables and graphical method of their solution, consistency / inconsistency. Algebraic conditions for number of solutions. Solution of a pair of linear equations in two variables algebraically-by ubstitution, by Elimination and by Cross Multiplication method. Simple situational problems.

Activity: To verify the condition for consistency of a system of linear equations in two variables by graphical representations.

Chapter 4 **Quadratic Equation**

Standard form of a quadratic equation $ax^2 + bx + c = 0$, $(a \neq 0)$. Solutions of quadratic equations (only real roots) by factorization, and by using quadratic formula. Relationship between discriminant and nature of roots. Situational problems based on quadratic equations related to day to day activities to be incorporated.

Chapter 1 **Real Number**

Fundamental Theorem of Arithmetic - statements after reviewing work done earlier and after illustrating and motivating through examples, Proofs of irrationality of 2, 3, 5.

Activity: To verify the Pythagoras theorem by doing art-integrated activity (By using two different method).

May

Chapter 1 **Real Number (**Continued…)

Chapter 5 **Arithmetic Progression**

Motivation for studying Arithmetic Progression Derivation of the nth term and sum of the first n terms of A.P. and their application in solving daily life problems.

Activity: To understand the concept of Arithmetic Progression by performing potato-race.

Chapter 7 **Coordinate Geometry**

Intro of two-dimensional geometry, Concepts of coordinate geometry, graphs of linear equations. Distance formula. Section formula (internal division only).

Activity: To understand the co-ordinates of the point with the help of change of origin.

July

Chapter 6 **Coordinate Geometry (**Continued…)

Chapter 13 **Statistics**
Mean, Median and Mode of grouped data (bimodal situation to be avoided).

Chapter 14 **Probability**
Classical definition of probability. Simple problems on finding the probability of an event.

Activity: To set the idea of probability of an event through a double colour cards.

August

Triangle 6 Definitions, examples, counter examples of similar triangles.

(Prove) If a line is drawn parallel to one side of a triangle to intersect the other two sides in distinct points, the other two sides are divided in the same ratio.

(Motivate) If a line divides two sides of a triangle in the same ratio, the line is parallel to the third side.

(Motivate) If in two triangles, the corresponding angles are equal, their corresponding sides are proportional and the triangles are similar.

(Motivate) If the corresponding sides of two triangles are proportional, their corresponding angles are equal and the two triangles are similar.

(Motivate) If one angle of a triangle is equal to one angle of another triangle and the sides including these angles are proportional, the two triangles are similar.

Activity: 1. To verify the BPT by using parallel lines board, triangles cut outs.

2. To verify the Pythagoras theorem by performing an activity.

Chapter 8 **Introduction to Trigonometry**

Trigonometric ratios of an acute angle of a right-angled triangle. Proof of their existence (well defined); motivate the ratios whichever are defined at 0^o and 90^o. Values of the trigonometric ratios of 30^o, 45^o and 60^o. Relationships between the ratios. Proof and applications of the identities $\sin^2 A + \cos^2 A = 1$. Only simple identities to be given. Trigonometric ratios of complementary angles.

Chapter 9 **Application of Trigonometry**

Simple problems on heights and distances. Problems should not involve more than two right triangles. Angles of elevation / depression should be only 30^o, 45^o and 60^o.

Activity: To verify one problem with the help of situation given to the students.

September Revision for Half Yearly Examination

October

Chapter 11 **Area related to Circles**

Motivate the area of a circle; area of sectors and segments of a circle. Problems based on areas and perimeter / circumference of the above said plane figures. (In calculating area of segment of a circle, problems should be restricted to central angle of 60°, 90° and 120° only.

Activity: To verify one problem with the help by giving an object to the students.

Chapter 10 **Circles**

Tangent to a circle at, point of contact.

(Prove) The tangent at any point of a circle is perpendicular to the radius through the point of contact.

(Prove) The lengths of tangents drawn from an external point to a circle are equal.

Activity: To verify experimentally that lengths of tangents drawn from external point to a circle are equal.

November

Chapter 12 **Surface Area and Volume**

Surface areas and volumes of combinations of any two of the following: cubes, cuboids, spheres, hemispheres and right circular cylinders/cones. Activity: To find the formula for the volume of a sphere, cylinder and cone with the help of an activity.

PUNJABI

ਮਾਰਚ

ਵਿਸ਼ਾ	ਕੁਲਫ਼ੀ (ਸੁਜਾਨ ਸਿੰਘ)
ਉਪ-ਵਿਸ਼ਾ	ਸਾਰ, ਵਿਸ਼ਾ–ਵਸਤੂ, ਪ੍ਰਸ਼ਨ-ਉੱਤਰ
ਵਿਸ਼ਾ	ਸੋ ਕਿਉਂ ਮੰਦਾ ਆਖੀਐ (ਗੁਰੂ ਨਾਨਕ ਦੇਵ ਜੀ)
ਉਪ-ਵਿਸ਼ਾ	ਪ੍ਰਸੰਗ ਸਹਿਤ ਵਿਆਖਿਆ, ਵਿਸ਼ਾ–ਵਸਤੂ,ਪ੍ਰਸ਼ਨ–ਉੱਤਰ, ਕੇਂਦਰੀ ਭਾਵ
ਵਿਸ਼ਾ	ਪੱਤਰ (ਨਿੱਜੀ ਅਤੇ ਬਿਨੈ–ਪੱਤਰ)

ਅਪ੍ਰੈਲ

ਵਿਸ਼ਾ	ਕਿਰਪਾ ਕਰਿਕੈ ਬਖਸਿ ਲੈਹੁ (ਗੁਰੂ ਅਮਰਦਾਸ ਜੀ)
ਉਪ-ਵਿਸ਼ਾ	ਪ੍ਰਸੰਗ ਸਹਿਤ ਵਿਆਖਿਆ, ਵਿਸ਼ਾ- ਵਸਤੂ,ਪ੍ਰਸ਼ਨ–ਉੱਤਰ, ਕੇਂਦਰੀ ਭਾਵ
ਵਿਸ਼ਾ	ਤੁਰਨ ਦਾ ਹੁਨਰ (ਡਾ.ਨਰਿੰਦਰ ਸਿੰਘ ਕਪੂਰ)
ਉਪ-ਵਿਸ਼ਾ	ਸਾਰ, ਵਿਸ਼ਾ–ਵਸਤੂ, ਪ੍ਰਸ਼ਨ-ਉੱਤਰ
ਵਿਸ਼ਾ	ਬਹੁਅਰਥਕ ਸ਼ਬਦ

ਮਈ

ਵਿਸ਼ਾ	ਸਮਾਸੀ ਸ਼ਬਦ
ਉਪ-ਵਿਸ਼ਾ	ਕਿਸਮਾਂ
ਵਿਸ਼ਾ	ਅੰਗ-ਸੰਗ (ਵਰਿਆਮ ਸਿੰਘ ਸੰਧੂ)
ਉਪ-ਵਿਸ਼ਾ	ਸਾਰ,ਵਿਸ਼ਾ–ਵਸਤੂ,ਪ੍ਰਸ਼ਨ-ਉੱਤਰ

ਵਿਸ਼ਾ	ਧਰਤੀ ਹੇਠਲਾ ਬਲਦ	(ਕੁਲਵੰਤ ਸਿੰਘ ਵਿਰਕ)
ਉਪ-ਵਿਸ਼ਾ	ਸਾਰ,ਵਿਸ਼ਾ ਵਸਤੂ,ਪ੍ਰਸ਼ਨ ਉੱਤਰ	
ਵਿਸ਼ਾ	ਮੁਹਾਵਰੇ	
ਉਪ ਵਿਸ਼ਾ	ਅਰਥ ਸਪੱਸ਼ਟ ਕਰਦੇ ਹੋਏ ਵਾਕ ਬਣਾਉਣਾ	

ਜੁਲਾਈ

ਵਿਸ਼ਾ	ਮੇਰੇ ਵੱਡੇ ਵਡੇਰੇ	(ਗਿਆਨੀ ਗੁਰਦਿੱਤ ਸਿੰਘ)
ਉਪ-ਵਿਸ਼ਾ	ਸਾਰ,ਵਿਸ਼ਾ–ਵਸਤੂ, ਪ੍ਰਸ਼ਨ-ਉੱਤਰ	
ਵਿਸ਼ਾ	ਜੰਗ ਦਾ ਹਾਲ	(ਸ਼ਾਹ ਮੁਹੰਮਦ)
ਉਪ–ਵਿਸ਼ਾ	ਪ੍ਰਸੰਗ ਸਹਿਤ ਵਿਆਖਿਆ,ਵਿਸ਼ਾ-ਵਸਤੂ,ਪ੍ਰਸ਼ਨ-ਉੱਤਰ	

ਅਗਸਤ

ਵਿਸ਼ਾ	ਤੂੰ ਮੇਰਾ ਪਿਤਾ,ਤੂੰ ਹੈ ਮੇਰਾ ਮਾਤਾ (ਗੁਰੂ ਅਰਜਨ ਦੇਵ ਜੀ)	
ਉਪ-ਵਿਸ਼ਾ	(ਪ੍ਰਸੰਗ ਸਹਿਤ ਵਿਆਖਿਆ, ਵਿਸ਼ਾ ਵਸਤੂ, ਪ੍ਰਸ਼ਨ-ਉੱਤਰ)	
ਵਿਸ਼ਾ	ਬੋਲੀ	(ਸ.ਗੁਰਬਖ਼ਸ਼ ਸਿੰਘ)
ਉਪ-ਵਿਸ਼ਾ	ਸਾਰ,ਵਿਸ਼ਾ- ਵਸਤੂ,ਪ੍ਰਸ਼ਨ-ਉੱਤਰ	
ਵਿਸ਼ਾ	ਜ਼ਫ਼ਰਨਾਮਾ	(ਡਾ. ਹਰਚਰਨ ਸਿੰਘ)
ਉਪ-ਵਿਸ਼ਾ	ਸਾਰ,ਵਿਸ਼ਾ- ਵਸਤੂ,ਪ੍ਰਸ਼ਨ– ਉੱਤਰ,ਪਾਤਰ-ਚਿਤਰਨ	
ਵਿਸ਼ਾ	ਲੇਖ , ਚਿੱਤਰ ਵਰਨਣ	

ਅਕਤੂਬਰ

ਵਿਸ਼ਾ	ਸਤਿਗੁਰੂ ਨਾਨਕ ਪ੍ਰਗਟਿਆ	(ਭਾਈ ਗੁਰਦਾਸ ਜੀ)
ਉਪ-ਵਿਸ਼ਾ	ਪ੍ਰਸੰਗ ਸਹਿਤ ਵਿਆਖਿਆ,ਵਿਸ਼ਾ –ਵਸਤੂ, ਪ੍ਰਸ਼ਨ-ਉੱਤਰ, ਕੇਂਦਰੀ ਭਾਵ	
ਵਿਸ਼ਾ	ਪ੍ਰਾਰਥਨਾ	(ਡਾ.ਬਲਬੀਰ ਸਿੰਘ)
ਉਪ-ਵਿਸ਼ਾ	ਸਾਰ,ਵਿਸ਼ਾ ਵਸਤੂ ,ਪ੍ਰਸ਼ਨ-ਉੱਤਰ	
ਵਿਸ਼ਾ	ਘਰ ਦਾ ਪਿਆਰ	(ਪ੍ਰਿੰ.ਤੇਜਾ ਸਿੰਘ)
ਉਪ-ਵਿਸ਼ਾ	ਸਾਰ,ਵਿਸ਼ਾ-ਵਸਤੂ,ਪ੍ਰਸ਼ਨ–ਉੱਤਰ	

ਵਿਸ਼ਾ–	ਅਗੇਤਰ,ਪਿਛੇਤਰ, ਕਿਰਿਆ ਵਿਸ਼ੇਸ਼ਣ ਅਤੇ ਕਿਸਮਾਂ
ਵਿਸ਼ਾ	ਦੂਜਾ ਵਿਆਹ
ਉਪ-ਵਿਸ਼ਾ	ਸਾਰ,ਵਿਸ਼ਾ– ਵਸਤੂ,ਪ੍ਰਸ਼ਨ– ਉੱਤਰ,ਪਾਤਰ-ਚਿਤਰਨ

HINDI

मार्च:-

पाठ्य पुस्तक(स्पर्श):-	पाठ 8 बड़े भाई साहब अप्रैल:-
पाठ्य पुस्तक(स्पर्श):-	पाठ 1 कबीर की साखी, पाठ 2 मीरा क़े पद, पाठ 9 डायरी का एक पन्ना
संचयन:-	पाठ 1 हरिहर काका
व्याकरण:-	समास, पदबंध, रचना क़े आधार पर वाक्य का रूप-रूपांतरण,अनुच्छेद
	गततततवतध:- वर्ग पहेली

मई:-

पाठ्य पुस्तक(स्पर्श):-	पाठ 3 मनुष्यता ,पाठ 10 तँतारा वामीरो
व्याकरण:-	मुहावरे, सूचना लेखन, पत्र, अपठित गद्यांश
गतिविधि:-	मानवता की दीवार(कक्षा चार्ट पर विद्यार्थी एक दूसरे की तारीफ में दो पक्तियाँ लिखें)
गतिविधि :-	पोर्टफोलियो

जुलाई

पाठ्य पुस्तक(स्पर्श):-	पाठ 11 तीसरी कसम क़े शिल्पकार शलेंद्र , पाठ 4 पर्वत प्रदेश में पावस,
संचयन:-	पाठ 2 सपनों के से दिन
व्याकरण:-	समास,विज्ञापन ल़ेखन

अगस्त

पाठ्य पुस्तक(स्पर्श):-	पाठ 5 तोप, पाठ 6 कर चले हम फिदा, पाठ 12 अब कहां दूसरों के दुख से दुखी
संचयन:-	पाठ 3 टोपी शुक्ला
व्याकरण:-	मुहावरे, औपचारिक पत्र, विज्ञापन ल़ेखन
गतिविधि:-	रुपए की आत्मकथा

सितंबर :- (अर्धवार्षिक परीक्षा पाठ्यक्रम)अभी तक करवाया गया पूर्ण पाठ्यक्रम

अक्टूबर

पाठ्य पुस्तक(स्पर्श):-	पाठ 7 आत्मत्राण, , पाठ 13 पतझड़ की टूटी पत्तियाँ, पाठ 14 कारतूस
व्याकरण:-	समास, पदबंध, रचना क़े आधार पर वाक्य का रूपांतरण,अनुच्छेद ल़ेखन

ARTIFICIAL INTELLIGENCE

April

Employability Skills

Unit 1	Communication Skills

Subject Specific Skills

Unit 1	Revisiting AI project cycle & Ethical Frameworks for AI
Practical	Advanced Python

May

Employability Skills

Unit 2	Self-management Skills

Subject Specific Skills

Unit 2	Advance concepts of modelling in AI
Practical	Advanced Python

July

Employability Skills

Unit 3	ICT Skills

Subject Specific Skills

Unit 3	Evaluating Models
Practical	Advanced Python

August

Employability Skills

Unit 4	Entrepreneurial Skills

Subject Specific Skills

Unit 4	Statistical Data
Unit 5	Computer Vision
Practical	Advanced Python

October

Employability Skills

Unit 5	Green Skills

Subject Specific Skills

Unit 6	Natural Language Processing
Practical: -	Advanced Python

DATA SCIENCE

April

Part-B (Subject-Specific Skills)

Unit 1: **Use of Statistics in Data Science**

Introduction, what are subsets? Two-way frequency table, Interpreting two-way tables. Two-way relative frequency table, Meaning of mean, Median, Mean Absolute Deviation, What is Standard Deviation?

Part-A (Employability Skills)

Unit 1: **Communication Skills II**

Various methods of communication, Provide Descriptive and Specific Feedback, Measures to Overcome Barriers in Communication, Principles of Communication, Basic writing skills

May

Part-B (Subject-Specific Skills)

Unit 2: **Distribution in Data Science**

Introduction, Distribution in Data Science, Types of Distributions, Statistical Problem Solving Process

Part-A (Employability Skills)

Unit 2: **Self-Management Skills II**

Stress Management Techniques, Ability to work independently

July

Part-B (Subject-Specific Skills)

Unit 3: **Identifying Patterns**

Introduction, Partiality, Preference and Prejudice, Identification of Partiality, Preference and Prejudice, Probability for Statistics, the Central Limit Theorem, Importance of the Central Limit Theorem

Part-A (Employability Skills)

Unit 3: **Basic ICT Skills II**

Distinguish between different Operating Systems, Working with Files and Folders, Apply Basic Skills for Care and Maintenance of Computer

August

Part-B (Subject-Specific Skills)

Unit 4: **Data Merging**

Introduction, Data Merging, Z score, Z Score Calculation, Z Score Interpretation, Importance of Z score, Percentiles, Quartiles, Deciles

Part-A (Employability Skills)

Unit 4: **Entrepreneurial Skills II**

List the characteristics of a successful Entrepreneur

October

Part-B (Subject-Specific Skills)

Unit 5: **Ethics in Data Science**

Introduction, Data Governance Framework, Ethical Guidelines around Data analysis, Discarding the Data

Part-A (Employability Skills)

Unit 5: **Green Skills II**

Demonstrate the Knowledge of importance, Problems and Solutions, Related to Sustainable Development