DETAILED SYLLABUS (2025-26) CLASS: X

ENGLISH

Month		Торіс		
	Literature: (i)Two	Gentlemen of Verona (Fiction)		
	(ii)The Frog and the Nightingale (Poem			
APRIL	Writing : Letter to Editor			
	-	tivity: Gratitude Card by Lucia		
	Literature : (i) The	e Dear Departed (Drama)		
MAY	(ii) No	(ii) Not Marble, nor the Gilded Monuments-Sonnet 55 (Poem)		
	Literature : (i) M	rs. Packletide's Tiger (Fiction)		
JULY	(ii) O:	zymandias (Poem)		
	Writing : Email W	riting		
	Art Integrated Act	t ivity: Web Chart		
	Literature : (i) The Letter (Fiction)			
AUGUST	(ii) A Shady Plot (Fiction)			
	Writing : Article Writing			
	Art Integrated Activity: Story writing-Ghost Story			
SEPTEMBER	REVISION			
	Literature : (i) Pat	ol Babu (Fiction)		
OCTOBER	(ii) The Rime of the Ancient Mariner (poem			
	Writing: Factual Description			
	Art Integrated Activity: Draw face expressions			
	Literature: (i) Virtually True (Fiction)			
NOVEMBER	(ii) Snake(Poem)			
	Art Integrated Activity: The Inner Conflict – A Visual Interpretation of 'Snake'.			
	Literature: Julius (Caesar (Drama)		
DECEMBER	DECEMBER Art Integrated Activity: Dramatic Monologue			
PORTION FOR:				
PERIODIC ASSESSMENT	1 Literature:	(i)Two Gentlemen of Verona (Fiction)		
		(ii)The Frog and the Nightingale (Poem		
	Writing :	Letter to Editor		
PERIODIC ASSESSMENT 2 Literature : (i) Patol Babu (Fiction)				
		(ii) The Rime of the Ancient Mariner (poem		
	Writing:	Factual Description		

MATHS

MONTH	TOPIC	
APRIL	PAIR OF LINEAR EQUATIONS IN TWO VARIABLES Pair of f 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 substitution, by elimination. Simple situational problems.	
	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 substitution, by elimination. Simple situational problems.	
	REAL NUMBERS Fundamental Theorem of Arithmetic - statements after reviewing work done earlier and after illustrating and motivating through examples, Proofs of irrationality of $\sqrt{2}$, $\sqrt{3}$ and $\sqrt{5}$.	
	POLYNOMIALS Zeros of a polynomial. Relationship between zeros and coefficients	
MAY	 QUADRATIC EQUATIONS 1. Represent the equation in general form as ax² + b x + c =0 where a, b, c are real numbers and a≠0 2. Solve the quadratic equation by factorization, and by quadratic formulae method.3. Calculate the discriminant to find the nature of roots and apply the same to problem solving. Zeros of a polynomial. Relationship between zeros and coefficients. 	
JULY	 ARITHMETIC PROGRESSION 1.Recognize the pattern in a series. 2. Identify the first term, the common difference and learn to find the nth term and sum of n terms of an A.P. 	
	COORDINATE GEOMETRY Concepts of coordinate geometry, graphs of linear equations. Distance formula. Section formula (internal division).	
	SIMILAR TRIANGLES Understand similarity and criteria of similarity of triangles(SSS,SAS,AA)	
AUGUST	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° and 90°. Values of the trigonometric ratios of 30°, 45° and 60°. Relationships between the ratios.	
	TRIGONOMETRIC IDENTITIES Proof and applications of the identity $sin^{2}A + cos^{2}A = 1$. Only simple identities to be given.	
	HEIGHTS AND DISTANCES Angle of elevation, Angle of Depression. Simple problems on heights and distances. Problems should not involve more than two right triangles. Angles of elevation / depression should be only 30°, 45°, and 60°.	

SEPTEMBER.	PROBABILITY	
	1.Write the formula of probability of an event.	
	2. Find the probability of a given	
	2. This the producinty of a given	
OCTOBER	AREAS RELATED TO CIRCLES	
	Area of sectors and segments of a circle. Problems based on areas and perimeter	
	/ problem should be restricted to Central angle of $60^{\circ} 90^{\circ}$ and 120 degree	
	, procient should be resulted to contral angle of 00 90 and 120 degree	
	SURFACE AREA AND VOLUMES	
	Surface area and volume of combination of solids.	
NOVEMBER	CIRCLES	
	Tangent to a circle at point of contact.	
	The tangent at any point of a circle is perpendicular to the radius through the	
	point of contact.	
	The lengths of tangents drawn from an external point to a circle are equal.	
	STATISTICS	
	Mean, median and mode of grouped data (bimodal situation to be avoided).	

PORTION FOR:

PERIODIC ASSESSMENT 1 PAIR OF LINEAR EQUATIONS IN TWO VARIABLES REAL NUMBERS

PERIODIC ASSESSMENT 2 AREAS RELATED TO CIRCLES, SURFACE AREAS AND VOLUMES

PHYSICS

ТОРІС		
Chapter 9 LIGHT – REFLECTION AND REFRACTION		
• Introduction to light as a ray		
 Laws of Reflection of Light 		
• Terms associated with mirrors		
 Reflection through Spherical Mirrors 		
 Image formation by Concave and Convex mirrors 		
Refraction of Light		
• Refraction by spherical lenses		
• Image formation by spherical lenses		
Chapter 9 LIGHT – REFLECTION AND REFRACTION		
• Law of refraction of light		
• Refractive index		
• Lens formula and power of a lens		
Chapter 10 HUMAN EYE AND THE COLOURFUL WORLD.		
 Functioning of a lens in human eye 		
• Defect of vision and their correction		
 Refraction of light through prism 		
• Dispersion of light		
• Scattering of light		

AUGUST	Chapter 11 ELECTRICITY		
	• Potential difference and electric current		
	• Ohm's Law and resistance		
	• Series and parallel combination of resistance		
	• Heating effect of electric current and Electric power		
SEPTEMBER	REVISION		
OCTOBER	MAGNETIC EFFECTS OF AN ELECTRIC CURRENT.		
&	 Magnetic field and field lines 		
NOVEMBER	 Magnetic field due to straight conductor, circular conductor or solenoid 		
	• Fleming 's left hand rule		
	• Alternating and direct current		
	• Domestic circuit		

PORTION FOR: PERIODIC ASSESSMENT 1

LIGHT-REFLECTION AND REFRACTION (Till Magnification and Mirror formula)

 PERIODIC ASSESSMENT 2
 ELECTRICITY

 (Till Ohm's Law and Resistance)

CHEMISTRY

MONTH	TOPIC
APRIL	CHEMICAL REACTIONS AND EQUATIONS: Chemical equation, Balanced chemical equation, implications of a balanced chemical equation, types of chemical reactions: combination, decomposition reactions, displacement, double displacement, precipitation, endothermic exothermic reactions, oxidation and reduction.
MAY	 CHEMICAL REACTIONS AND EQUATIONS: Chemical equation, Balanced chemical equation, implications of a balanced chemical equation, types of chemical reactions: combination, decomposition reactions, displacement, double displacement, precipitation, endothermic exothermic reactions, oxidation and reduction. ACIDS , BASES AND SALTS: Their definitions in terms of furnishing of H+ and OH– ions, General properties, examples and uses, neutralization, 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
JULY	ACIDS, BASES AND SALTS: Their definitions in terms of furnishing of H+ and OH– ions, General properties, examples and uses, neutralization, 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
AUGUST	METALS AND NON METALS: Physical and chemical Properties of metals and non-metals ; Reaction of metals and non metals with air, water, acids ; Amphoteric oxides; Reactivity series.

SEPTEMBER	METALS AND NON METALS : (Contd) Formation and properties of ionic compounds, Reaction of metals and non metals, Electron dot structures.
OCTOBER	METALS AND NON METALS : (Contd) Basic metallurgical processes; Enrichment of ores , Extracting metals low in the activity series, Extracting metals in the middle of the activity series, Extracting metals towards the top of the activity series middle ;Refining of metals, Corrosion and its prevention.
NOVEMBER	CARBON AND ITS 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.

PORTION FOR:

PERIODIC ASSESSMENT 1 CHEMICAL REACTIONS AND EQUATIONS

PERIODIC ASSESSMENT 2 METALS AND NON METALS

BIOLOGY

APRIL & MAY	Chapter 5 Life processes			
	Autotrophic and heterotrophic nutrition			
	Respiration			
	Transportation in human beings			
	Transportation in plants			
	• Excretion in human beings			
	• Excretion in plants			
JULY	Chapter 5 Life processes			
	• Excretion in plants and animals			
	Chapter 6 Control and coordination			
	• Nervous system in animals			
	• Reflex action and reflex arc			
	Human brain			
	Action of nervous tissue			
AUGUST	Chapter 6 Control and coordination			
	• Coordination in plants-immediate response to stimulus, movement due to			
	growth			
	Hormones in animals			
	Chapter 13 Our environment			
	• Ecosystem-it's components			
	Food chain and food web			
	Ozone layer and its depletion			
	Managing the garbage production			

SEPTEMBER	REVISION & MID TERM		
OCTOBER	Chapter 7 - How do organisms reproduce?		
	 DNA copying and importance of variation 		
	• Methods of asexual reproduction-fission, fragmentation, regeneration,		
	budding, vegetative propagation, spore formation		
	Sexual reproduction in flowering plants		
	• Sexual reproduction in human beings-Male and female reproductive system		
	Menstrual cycle		
	Reproductive health		
	Chapter 8 - Heredity		
	Inherited traits		
	• Rules for the inheritance of traits - Mendel's contribution		
	• Expression of traits in the offsprings		
	• Sex determination in human beings		
NOVEMBER	Chapter 8 - Heredity		
	Sex determination in human beings		

PORTION FOR: PERIODIC ASSESSMENT 1 CHAPTER 5 – LIFE PROCESSES (PAGE NO 79 TO PAGE NO 88) PERIODIC ASSESSMENT 2 CHAPTER 7 – HOW DO ODCAMEME DEPRODUCES

PERIODIC ASSESSMENT 2 CHAPTER 7 – HOW DO ORGANISMS REPRODUCE? (COMPLETE CHAPTER)

ARTIFICIAL INTELLIGENCE

Month	Торіс
APRIL	 PART A : EMPLOYABILITY SKILLS Unit 1 : Communication Skills – II Methods of communication, Communication Cycle, Communication Barriers, Effective Communication, Basic Writing Skills PART B : SUBJECT SPECIFIC SKILLS Unit 7 : Advance Python Introduction to Jupyter Notebook, Introduction to Python, Features of Python, Why Python for AI, Applications of Python, Python Character Set, Python Statements, Python Comments, Identifiers and Keywords, Variables, Constants, Data Types, Operators, Input and Output in Python, Type Conversion, Control Statements, Introduction to List, Introduction to Tuple, Python Libraries and Packages Unit 1 : Project Cycle and Ethical Frameworks Revisiting AI Project Cycle, Stages of AI Project Cycle
МАҮ	PART B : SUBJECT SPECIFIC SKILLS Unit 1 : Project Cycle and Ethical Frameworks (Contd) Introduction to AI Domains, Ethical frameworks for AI, Bioethics

JULY	 PART A : EMPLOYABILITY SKILLS Unit 2 : Self Management Skills – II Stress Management and its Techniques, Ability to work independently PART B : SUBJECT SPECIFIC SKILLS Unit 2 : Advanced Concepts of Modelling in AI Revisiting AI, ML and DL, Common Terminologies used with Data, Modelling, Types of Machine Learning Models, Types of Deep Learning, Artificial Neural Networks.
AUGUST	 PART B : SUBJECT SPECIFIC SKILLS Unit 3 : Evaluating Models Introduction, Importance of Model Evaluation, Need of Model Evaluation, Evaluating Model's Performance, Accuracy and Error, Evaluation Metrics for Classification, Ethical Concerns Around Model Evaluation. Unit 4 : Statistical Data Introduction to Data Science, Applications of Data Science, No-code, Low-code and High-code, Statistical Data, Introduction to Orange Data Mining
SEPTEMBER	REVISION
OCTOBER	 PART A : EMPLOYABILITY SKILLS Unit 3 : ICT Skills – II Basic Computer Operations, Managing Files and Folders, Care and Maintenance of a Computer Unit 4 : Entrepreneurial Skills – II Entrepreneur and Entrepreneurship Unit 5 : Green Skills – II Sustainable Development PART B : SUBJECT SPECIFIC SKILLS Unit 5 : Computer Vision Introduction to Computer Vision, Applications of Computer Vision, Concepts of Computer Vision, No-code – AI tools, Image features, Convolution, CNN
NOVEMBER	 PART B : SUBJECT SPECIFIC SKILLS Unit 6 : Natural Language Processing Human Languages versus Computer Languages, Introduction to NLP, Stages of NLP, Introduction to Chatbots, Text Processing, TF – IDF, NLP- Case Walkthrough, Introduction to Sentiment Analysis
DECEMBER	REVISION

PORTION FOR: PERIODIC ASSESSMENT 1	Unit 1 – Communication Skills Unit 7 – Advance Python
PERIODIC ASSESSMENT 2	Unit 3 – Information and Communication Technology Skills Unit 4 – Entrepreneurial Skills Unit 5 – Computer Vision

HISTORY & POLITICAL SCIENCE

MONTH	LESSON
APRIL	HISTORY The Age of Industrialization • Before the Industrial Revolution • Hand Labour and Steam Power • Industrialization in the Colonies • Factories Come Up
	The Peculiarities of Industrial GrowthMarket for Goods
	 The Rise of Nationalism in Europe 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
	 POLITICAL SCIENCE Power Sharing Belgium and Sri Lanka Majoritarianism in Sri Lanka Accommodation in Belgium Why power sharing is desirable? Forms of Power Sharing
MAY	 POLITICAL SCIENCE Federalism What is Federalism? What make India a Federal Country? How is Federalism practiced? Decentralization in India
JULY	HISTORY Nationalism in India • The First World War, Khilafat and Non -Cooperation • Differing Strands within the Movement • Towards Civil Disobedience • The Sense of Collective Belonging
AUGUST	 POLITICAL SCIENCE Gender, Religion and Caste Gender and Politics-Public/Private division, Women's political representation Religion, Communalism and Politics –Communalism, Secular State(excluding image on page 46, 48, 49 of NCERT Textbook–Democratic Politics–II – reprinted edition2021) Caste and Politics - Caste inequalities, Caste in politics, Politics in caste
	 Political Parties Why do we need Political Parties? –Meaning, Functions, Necessity How many parties should we have? National Parties State Parties Challenges to Political Parties How can Parties be reformed?

SEPTEMBER	HISTORY The Making of a Global World • The pre-modern world (Subtopic- 1 to 1.3) Inter-Disciplinary Project
OCTOBER	HISTORY Print Culture and the Modern World • 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
NOVEMBER	POLITICAL SCIENCE Outcomes of Democracy • How do we assess democracy's outcomes? • Accountable, responsive and legitimate government • Economic growth and development • Reduction of in equality and poverty • Accommodation of social diversity • Dignity and freedom of the citizens

PORTION FOR:

PERIODIC ASSESSMENT 1	HISTORY – AGE OF INDUSTRIALIZATION POL SC. – POWER SHARING
PERIODIC ASSESSMENT 2	HISTORY – PRINT CULTURE AND THE MODERN WORLD POL SC. – POLITICAL PARTIES

GEOGRAPHY & ECONOMICS

Month	Торіс
	GEOGRAPHY:
APRIL	Ch. 1 – Resources and Development
	Types of Resources, Development of Resources, Resource Planning in India, 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
	ECONOMICS:
	Ch. 1 – Development
	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

	GEOGRAPHY:
MAY	Ch. 2 – Forest and Wildlife Resources
IVIAI	Biodiversity or Biological Diversity, Flora and Fauna in India, Vanishing Forests, Asiatic
	Cheetah: Where did they go?, The Himalayan Yew in trouble, Conservation of forest and
	wildlife in India, Project Tiger, Types and distribution of forests and wildlife resources,
	Community and Conservation
	ECONOMICS:
	Ch. 2 – Sectors of the Indian Economy
	Sectors of Economic Activities, Comparing the three sectors, Primary, Secondary and
	Tertiary Sectors in India
**** */	GEOGRAPHY:
JULY	Ch. 3 – Water Resources
	Water Scarcity and The Need for Water Conservation and Management, Multi-Purpose
	River Projects and Integrated Water Resources Management, Rainwater Harvesting
	ECONOMICS:
	Ch. 2 – Sectors of the Indian Economy (Contd)
	Division of sectors as organized and unorganized, Sectors in terms of ownership: Public
	and Private
	GEOGRAPHY:
AUGUST	Ch. 4 – Agriculture
	ECONOMICS:
	Ch. 3 – Money and Credit
	Money as a medium of exchange, Modern 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
SEPTEMBER	REVISION+HALF-YEARLY
	GEOGRAPHY:
OCTOBER	Ch. 5 – Minerals and Energy Resources
	What is a mineral?, Mode of occurrence of Minerals, Ferrons and Non-Ferrons Minerals
	Non-Metallic Minerals, Rock Minerals, Conservation of Minerals, Energy Resources,
	Conventional and Non-Conventional, Conservation of Energy Resources
	ECONOMICS:
	Ch. 3 – Money and Credit (Contd)
	Money as a medium of exchange, Modern 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
	GEOGRAPHY:
NOVEMBER	Ch. 6 – Manufacturing Industries
	Importance of manufacturing, Contribution of Industry to National Economy, Industrial
	Location, Classification of Industries, Spatial distribution, Industrial pollution and
	environmental degradation, Control of Environmental Degradation
	ECONOMICS.
	ECONOMICS:
	Ch. 4 – Globalisation and the Indian Economy What is globalization?, Factors that have enabled Globalisation
DECEMBER	PRE BOARDS
JANUARY	REVISION+PREBOARDS
PORTION FOR:	<u> </u>
PERIODIC ASSESS	
	ECONOMICS – DEVELOPMENT

PERIODIC ASSESSMENT 2GEOGRAPHY – MINERALS AND ENERGY RESOURCES
ECONOMICS – GLOBALISATION AND THE INDIAN ECONOMY

<u>HINDI</u>

MONTH		TOPIC
अप्रैल	साहित्य	नेताजी का चश्मा - स्वयं प्रकाश, सूरदास, संगतकार - मंगलेश डबराल
	व्याकरण	रचना के आधार पर वाक्य भेद, पत्र
	कला गतिविधि	पानवाले का एक रेखा चित्र बनाइये
मई	साहित्य	माता का अँचल- शिवपूजन सहाय, निराला (उत्साह, अट नहीं रही है),
	व्याकरण	वाच्य, अपठित गद्यांश, अपठित काव्यांश
	कला गतिविधि	पिता और पुत्र के बीच में खेल खेलने के विषय में संवाद लिखिए
	साहित्य	बालगोबिन भगत - रामवृक्ष बेनीपुरी, आत्मकथ्य - कविजय शंकर प्रसाद, लखनवी अंदाज़ - यशपाल
जुलाई	व्याकरण	पद परिचय, , अलंकार - अर्थालंकार - उपमा. रूपक, उत्प्रेक्षा , अतिश्योक्ति , मानवीकरण , स्ववृत्त लेखन - रोजगार से सम्बंधित रिक्तियों के लिए, औपचारिक ई- मेल
	कला गतिविधि	छात्राएं मिलकर प्रभाती गायन करेंगी
	साहित्य	मैं क्यों लिखता हूँ -अज्ञेय, नौबत खाने में इबादत- यतीन्द्र मिश्र, तुलसीदास (राम ,लक्ष्मण
		,परशुराम संवाद)
अगस्त	व्याकरण	विज्ञापन लेखन,अनुच्छेद लेखन,शुभकामना सन्देश लेखन पर्व- त्योहारों एवं विशेष अवसरों पर दिये जाने वाले सन्देश
	कला गतिविधि	मैं क्यों लिखता हूँ पाठ के आधार पर दो छात्राएं मिलकर संवाद करेंगी
<u> </u>	साहित्य	पुनरावृत्ति
सितम्बर	व्याकरण	पुनरावृत्ति
	साहित्य	एक कहानी यह भी - मन्नू भंडारी, साना साना हाथ जोड़ि - मधु कांकरिया, ,
अक्तूबर	व्याकरण	पुनरावृत्ति
	कला गतिविधि	किसी रमणीक स्थान का कोलाज बनाइये
नवम्बर	साहित्य	नागार्जुन (यह दंतुरित मुसकान , फ़सल), संस्कृति- भदंत आनंद कौसल्यायन
	व्याकरण	पुनरावृत्ति
	कला गतिविधि	नवजात शिशु के प्रति पिता की भावनाओं को प्रकट करते हुए एक सुन्दर चित्र बनाइये
दिसम्बर		विज्ञापन लेखन,अनुच्छेद लेखन,शुभकामना सन्देश लेखन पर्व- त्योहारों एवं विशेष अवसरों पर दिये जाने वाले सन्देश (पुनरावृत्ति)
		बोर्ड परीक्षा

सामयिक परीक्षा -I	
साहित्य	नेताजी का चश्मा, सूरदास,
व्याकरण	रचना के आधार पर वाक्य भेद, वाच्य,

सामयिक परीक्षा - II	
साहित्य	बालगोबिन भगत, तुलसीदास (राम ,लक्ष्मण,परशुराम संवाद),
व्याकरण	पद परिचय, अलंकार