RAINBOW PUBLIC SCHOOL

AFFILIATED TO C.B.S.E (+2)

Month-Wise Distribution of Syllabus for Std:–'X' (Session : 2026-27)

SUBJECT: – ENGLISH

Month &W. Days	Literature	Grammar and Writing Skill
April (20 days)	**First Flight !** **L-1 :** A Letter to God **L-2 :** Nelson Mandela – Long Walk to Freedom **Footprints Without Feet** **L-1 :** A Triumph of Surgery **L-2 :** The Thief's Story **L-3 :** The Midnight Vistor	• Determiners • Subject-Verb concord • Writing : Formal Letter
May (12 days)	**First Flight !** **L-3 :** Stories About Flying **Poem :** Dust of Snow, Fire and Ice **Footprints Without Feet** **L-4 :** A Question of Trust	• Modals • Writing : Formal Letter
June (12 days)	**First Flight !** **L-4 :** From the Diary of Anne Frank **Poem :** A Tiger in the zoo. **Footprints Without Feet** **L-5 :** Footprints Without Feet	• Tenses • Writing : Analytical Paragraph
July (24 days)	**First Flight !** **L-5 :** Glimpses of India **L-6 :** Mijbil the Otter **Poem :** How to Tell Wild Animals, The Ball Poem **Footprints Without Feet** **L-6 :** The making of a Scientist	• Subject-Verb concord • Writing : Analytical Paragraph
August (19 days)	**First Flight !** **L-7 :** Madam Rides the Bus **Poem :** Amanda, The Trees **Footprints Without Feet** **L-7 :** The Necklace	Reported Speech • Commands & requests • Statements • Questions
September (13 days)	**Revision for Half Yearly Examination**	
October (19 days)	**First Flight !** **L-8 :** The Sermon of Benaras **Poem :** Fog, The Tale of custard the Dragon. **Footprints Without Feet** **L-8 :** Bholi	• Determiners • Writing : Formal Letter
November (19 days)	**First Flight !** **L-9 :** The Proposal (Play) **Poem :** For Anne Gregory **Footprints Without Feet**	• Tenses • Writing : Formal Letter

	L-9 : The Book that saved the Earth.	
December (22 days)	**Revision for Annual Examination**	

विषय: – हिन्दी

माह	कार्य दिवसों की संख्या	क्षितिज गद्य खंड व काव्य खंड	व्याकरण सह सहायक पुस्तक कृतिका
अप्रैल	२०	**गद्य खंड –** पाठ–७ नेताजी का चश्मा **काव्य खंड –** पाठ–१ सूरदास के पद	**अपठित गद्यांश –** पाठ–१ रचना के आधार पर वाक्य भेद
मई	१२	**गद्य खंड –** पाठ–८ बालगोबिन भगत **काव्य खंड –** पाठ–२ राम लक्ष्मण परशुराम संवाद	**कृतिका –** पाठ–१ माता का आँचल संदेश लेखन, स्ववृत्त लेखन
जून	१२	**गद्य खंड –** पाठ–६ लखनवीं अंदाज पठित गद्यांश व काव्यांश	**अपठित काव्यांश –** व्याकरण : पाठ–२ **वाच्य** पत्र लेखन, अनुच्छेद लेखन।
जुलाई	२४	**काव्य खंड –** पाठ–३ आत्मकथ्य **गद्य खंड –** पाठ–१० एक कहानी यह भी	पाठ–३ : पद परिचय ई० मेल लेखन, विज्ञापन लेखन।
अगस्त	१६	**काव्य खंड –** पाठ–४ उत्साह तथा अट नहीं रही है।	**कृतिका –** पाठ–२ साना–साना हाथ जोड़ि। पत्र लेखन, अनुच्छेद लेखन।
सितम्बर	१३	**अर्द्धवार्षिक परीक्षा**	
अक्टूबर	१६	**काव्य खंड –** पाठ–५ यह दंतुरित मुस्कान, फसल। **गद्य खंड –** पाठ–११ नौबत खाने में इबादत।	**कृतिका –** पाठ–३ मैं क्यों लिखता हूँ?
नवम्बर	१६	**काव्य खंड –** पाठ–६ संगतकार।	**व्याकरण** पाठ–४ अलंकार स्ववृत्त (बायोडाटा) संदेश व विज्ञापन
दिसम्बर	२२	**गद्य खंड –** पाठ–१२ संस्कृति	ई० मेल लेखन, पत्र–लेखन, अनुच्छदे लेखन, पठित गद्यांश व काव्यांश।
जनवरी	२०	**पुनरावृति**	**कृतिका –** पाठ–२ साना–साना हाथ जोड़ि। अलंकार, संदेश–लेखन।
फरवरी	१४	**पुनरावृत्ति वार्षिक परीक्षा**	

विषयः – संस्कृत

माह	कार्य दिवसों की संख्या	पाठ्य पुस्तकात्	व्याकरणादि खण्डात्
अप्रैल	२०	प्रथमः पाठः – 'शुचिपर्यावरणं' द्वितीय पाठः – बुद्धिंबलवती सदा सरलार्थ + पाठ्याभ्यास	वर्ण – वर्ण परिचयं, वर्ण–संयोजनं वियोजनं च, संधि – व्यंजन संधि – जशत्व, प्रथम वर्णस्य पंचम वर्णे परिवर्तनं अव्यय – अनुवादे प्रयोगाः
मई	१२	तृतीय पाठः – व्यायायाम् सदा पथ्य सरलार्थ – अभ्यास कार्य च।	• पत्र लेखनं, चित्रवर्णनं, अनुवादं, समय लेखनं, प्रत्ययं परिचयं
जून	१२	चतुर्थ पाठः – 'शिशुपालनम्' सरलार्थ – अभ्यासं च।	• तद्धित प्रत्यय – मतुप्, ठक्, त्व, तल च • समास – परिचयं, तत्पुरूष समास – सर्वे विभक्ति
जुलाई	२४	पञ्चम् पाठः – जननी तुल्यवत्सला सरलार्थ अभ्यास कार्य च।	• स्त्री प्रत्यय – टाप्, ङीप् • प्रश्न निर्माणं • गद्यांश च
अगस्त	१६	षष्ठ पाठः – सुभाषितानि श्लोकार्थाः अन्वयाध	• घटना क्रमानुसारेण, कथा लेखनं • वाच्य परिवर्तनं केवल लट् लकारे • अनुवाद प्रकरणं
सितम्बर	१३	सप्तम पाठः – सौहार्दं प्रकृते शोभा सरलार्थः पाठाभ्यासः च। घटना क्रमम्	• पर्याय पदानाम् • विलोम पदानां • अशुद्धि संशोधनं • पद्यांशाधारीतं • प्रश्नोतराणि
अक्टूबर	१६	पाठ अष्ठम्ः – विचित्र साक्षीः सरलार्थः अभ्यासः च।	• पत्र लेखनं अभ्यासः • समास – अव्ययी भाव • समासान्तर्गते षष्ठ • उपसर्गायुक्त पदानाम् प्रयोगाः। • धातु रूपाणि (पञ्च लकारे) • शब्द रूपाणि संख्यापदी • संख्या पदं – १ से १००
नवम्बर	१६	नवम् पाठः – 'सूक्तयः' सरलार्थं, अन्वयः पाठाभ्यासः	• अनुवादं • वाक्य संशोधनं • प्रश्न निर्माणं • सन्धि – विसर्ग – उत्व, सत्व, रूत्व, लोपः च।
दिसम्बर	२२	द्वादशः पाठः – अन्योक्तयः सरलार्थं – अन्वयः पाठाभ्यासं च।	• संधि , प्रत्यय • पत्र लेखनं – वाच्य • विलोम पर्याय पदं च, समय लेखनं, संख्यापदं।
जनवरी	२०	**पुनरावृति सम्पूर्ण कार्याणि**	
फरवरी	१४		

SUBJECT: – MATHS

Month &W. Days	Chapter name and Content	Activity / Projects
April (20 days)	**REAL NUMBERS** **Topics:** Fundamental Theorem of Arithmetic – statements after reviewing work done earlier and after illustrating and motivating through examples. Decimal representation of rational numbers in terms of terminating/non-terminating recurring decimals. Proof of Irrational $\sqrt{2}$, $\sqrt{3}$, $\sqrt{5}$ **POLYNOMIALS** **Topics:** Zeros of a polynomial, Relationship between zeros and coefficients of quadratic polynomial only.	
May (12 days)	**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 of pair of linear equations in two variables, algebraically – by substitution and by elimination. Simple situational problems. Simple problems on equations reducible to linear equations. **COORDINATE GEOMETRY** Lines (in two dimensions) Review : Concepts of coordinate geometry, graphs of linear equations. Distance formula, Section formula (internal division).	
June (12 days)	**TRIANGLES** Definitions, examples, Counter examples of similar triangles. 1. (Prove) If a line is drawn parallel to one side of a triangle to intersect the other two sides in distinct points, then the other two sides are divided in the same ratio. 2. (Motivate) If a line divides two sides of a triangle in the same ratio, then the line is parallel to the third side. 3. (Motivate) If in two triangles, the corresponding angles are equal, then their corresponding sides are proportional and the triangles are similar. 4. (Motivate) If the corresponding sides of two triangles are proportional, then their corresponding angles are equal and the two triangles are similar. 5. (Motivate) If one angle of a triangle is equal to one angle of another triangle and the sides including these angles are proportional, then the two triangles are similar.	
July (24 days)	**INTRODUCTION TO TRIGONOMETRY** Trigonometric ratios of an acute angle of a right angled triangle. Proof of their existence (well defined); values of the trigonometric ratios of 30^0, 45^0 and 60^0. Relationship between the ratios. **TRIGONOMETRIC IDENTITIES** Proof and application of the identity $Sin^2A + cos^2A = 1$ only simple identities to be given.	
August (19 days)	**MENSURATION : Areas Related To Circles** Motivate the area of 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 60^0, 90^0 and 120^0 only. Plane figures involving triangles, Simple quadrilaterals and circle should be taken). **PROBABILITY** Classical definition of probability. Simple problems on finding the probability of on event.	

September (13 days)	**Revision for Half Yearly Examination**	
October (19 days)	**HEIGHT AND DISTANCES** Angle of elevation. Angle of depression. Simple problems on heights and distances. Problems should not involve more than two right triangles. Angle of elevation / depression should be only 30^0, 45^0, 60^0. **STATISTICS** Mean, Median, and Mode of grouped data (bimodal situation to be avoided). Mean by direct method and Assumed mean method only. **CIRCLES** Tangents to a circle at point of contact. 1. (Prove) The tangent at any point of a circle is perpendicular to the radius through the point of contact. 2. (Prove) The length of tangents drawn from an external point to a circle are equal.	
November (19 days)	**MENSURATION (SURFACE AREAS AND VOLUMES)** 1. Surface areas and volumes of combinations of any two of the following : Cubes, Cuboids, Spheres, Hemispheres, and right circular cylinders / cones. 2. Problems involving converting one type of metallic solid into another and other mixed problems. (Problems with combination of not more than two different solids be taken). **QUADRATIC EQUATIONS** Standard form of a quadratic equation $ax^2 + bx + c = 0$ $(a \neq 0)$. Solutions of quadratic equations (only real roots) by factorisation. Situational problems based on quadratic equations related to day to day activities (Problems on equations reducible to quadratic equations are excluded).	
December (22 days)	**ARITHMETIC PROGRESSIONS** Motivation for studying Arithmetic progression, Derivation of the nth term and the sum of first a terms of A.P and their application in solving daily life problems. (Applications based on sum to n terms of on A.P are excluded).	
January (20 days)	**Revision for Annual Examination**	
February (14 days)		

SUBJECT- PHYSICS

Month & W. Days	(Chapter / Units) Topics & Sub topics	Activity
April (20 days)	**Chapter - 12** **Topics :** Electricity electric charge, Current, potential difference ohm's law, Resistance resistivity, factors on which the resistance of a conductor depends.	
May (12 days)	**Chapter - 12** **Topics : (**Electricity) series combination of resistors, parallel combination of resistors and its application in daily life, Heating effect of electric current and its application in daily life, Electric power, interaction between P.V.I and R.	(i) Studying the dependence of potential difference across a resistor on the

		(ii) current (I) passing through it and determine its resistance, Also plotting a graph between V & I.
June (12 days)	**Chapter - 11** **Topics :** Human eye and colourful world, functioning of a lens in human eye, Defects of vision and their Corrections, Refraction of light through a prism dispersion of light, Scattering of light application in daily life (excluding colour of the sun at sunrise and sunset)	(ii) Tracing the path of the rays of light through a glass prism.
July (24 days)	**Chapter - 10** **Topics :** Light-Reflection and refraction of light reflection of light by curved surfaces, image formation by spherical mirror, centre of curvature, principal axis, principal focus, focal length, Mirror formula Magnification, application of spherical mirror, Refraction : Laws of Refraction.	(iii) To determine the focal length of a concave mirror by obtaining the image of a distant object.
August (19 days)	Refractive index, Refraction of light by spherical lenses image formed by spherical lenses, Application of lenses, Lens formula magnification, Power of lens	(iv) To determine the focal length of convex lenses by obtaining the image of a distant object. (v) Tracing the path of a ray of light passing through a rectangular glass slab for different angle of incidence.
September (13 days)	**Revision for Half Yearly Exam.**	
October (19 days)	**Chapter – 13 : Magnetic effects of electric current** **Topics :** Basic knowledge about magnet, magnetic field, field lines, field due to a current carrying conductor, field due to current carrying coil or solenoid.	(vi) Determination of the equivalent resistance of two resistors when connected in sense and parallel.
November (19 days)	**Chapter – 13 : Magnetic effects of electric current** **Topics :** Force on current carrying conductor, Fleming's left hand rule, electromagnetic induction, Direct current, Alternating current, Frequency of AC, Advantage of AC over DC, Domestic electric circuit.	
December (22 days)	**Revision for Annual Exam.**	
January (20 days)		
February (14 days)		

SUBJECT- CHEMISTRY

Month	Working Days	Chapters	Period	Marks H.Y	Marks ANNUAL
APRIL MAY	20 06 (12)	**Chemical Reactions and Equations**: Chemical reactions, Chemical equation, Balanced chemical equation, types of chemical reactions: combination, decomposition, displacement, double displacement, precipitation, endothermic exothermic reactions, oxidation and reduction.	10 03	12	6
MAY JUNE JULY	06 (12) 12 12(24)	**Acids, Bases and Salts**: Acids and Bases – definitions in terms of furnishing of H+ and OH– ions, identification using indicators, chemical 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	03 06 06	13	6

		Sodium Hydroxide, Bleaching powder, Baking soda, Washing soda and Plaster of Paris.			
JULY AUGUST	12 (24) 19	**Metals and Non-metals**: Properties of metals and non-metals; Reactivity series; Formation and properties of ionic compounds; Basic metallurgical processes; Corrosion and its prevention.	06 09		5
SEPETEMBER OCTOBER NOVEMBER	13 19 19	**Carbon and its Compounds**: Covalent bonds – formation and properties of covalent compounds, Versatile nature of carbon, Hydrocarbons – saturated and unsaturated Homologous series. Nomenclature of alkanes, alkenes, alkyne and carbon compounds containing functional groups (halogens, alcohol, ketones, aldehydes). Chemical properties of carbon compounds (combustion, oxidation, addition and substitution reaction). Ethanol and Ethanoic acid (only properties and uses), soaps and detergents.	06 09 09		8
DECEMBER JANUARY	22 20	**REVISION FOR ANNUAL EXAMINATION**	11 10		

SUBJECT: – BIOLOGY

Month & W. Days	(Chapter / Topics to be covered)	Period
April +May (20 + 12 days)	**Ch-1. Life processes** **Topics :** Nutrition, Autotrophic, Heterotrophic, Photosynthesis, Human digestion system, Respiration, Aerobic & anerobic Respiration, Human Respiratory system, Human heart, Excretion, Blood circulation, Nephron, Transpiration in plants.	16
June + July (12 + 12 days)	**Ch-2. Control and Co-ordination** **Topics :** Nervous system, Neuron, Reflex action, Human brain, Co-ordination in plant, Plant hormones, Animal Hormones, Endocrine glands.	12
July + Aug. (12 + 19 days)	**Ch-3. How Do Organisms Reproduce** **Topics :** Sexual & Asexual Reproduction, Binary fission, Budding, Spore formation, vegetative propagation, Sexual Reproduction in flowering plant, Reproductive system in Human, Menstruation, Fertilization, Reproductive health.	11
Aug. (10 days)	**Ch-4. Heredity and Evolution** **Topics :** Variation, Mendel's experiments, Dominant & Recessive trait, Inheritance, Sex determination, Evolution, Fossils, Speciation.	5
Sept. (13 days)	**Ch-5. Our Environment** **Topics :** Ecosystem, Food chain, Food web, Biodegrable & Non-biodegradable, Ozone depletion, Environmental problem, Flow of energy in an ecosystem.	7
Oct. + Nov. (19 + 19 days)	**Ch-6. Management of Natural Resources** **Topics :** Sustainable development, Conservation of Resources, Forest & wildlife, Water management, Dam, Coal and petroleum, Management of Forests water harvesting overview of Natural Resource management.	18
Dec.	**Revision for Annual Examination**	

SUBJECT: – S.ST

Month &W. Days	(Chapters Name and Content)
April (20 days)	**L-1. The Rise of Nationalism in Europe (History)** **Topics :-** The French revolution and the idea of the Nation, The making of nationalism in Europe, The age of revolutions, The making of Germany and Italy, Visualising the Nation, Nationalism and Imperialism. **L-1. Resources and Development (Geography)** **Topics :-** Introduction, Development of resources, Resource planning, Resource planning in India, Conservation of resources, Loan use and soil resource, Land utilization, Land use pattern in India, Land degradation and conservation measures. **L-1. Power sharing (Civics)** **Topics :-** Belgium and Sri Lanka, Majoritarianism in Sri Lanka, Accommodation in Belgium, Forms of Power Sharing. **L-1. Development (Economics)** **Topics :-** What development promises – different people, different goals, Income and other goals, National development, How to compare different countries or state, Income and other criteria / facilities, Sustainability of development.
May (12 days)	**L-2. Nationalism in India (History)** **Topics :-** The First World War, Khilafat and Non-Cooperation, Differring strands within the movement, Towards civil Disobedience, The sense of collective belonging. **L-2. Forest and Wildlife (Geography)** **Topics :-** Conservation of forest and wildlife in India, Types and distribution of forest and wildlife resources, Community and conservation. **L-2. Federalism (Civics)** **Topics :-** What is Federalism?, What makes India a federal country?, How is Federalism practiced?, Decentralisation in India. **L-2. Sectors of the Indian Economy (Economics)** **Topics :-** Sectors of the 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.
June (12 days)	**L-3. The making of Global world (History)** **Topics :-** Pre modern world, The Nineteenth century (1815-1914), The inter war economy, Rebuilding a world. **L-3. Water Resource (Geography)** **Topics :-** Water scarcity and the need for water conservation and management. **L-4. Gender, Religion and Caste (Civics)** **Topics :-** Gender and Politics – Public / Private division, Women's representation, Religion, Communalism and Politics – Communalism, Secular state. **L-3. Money and Credit (Economics)** **Topics :-** Money as a medium of exchange, Modern form of money, Loan activities of Banks.
July (24 days)	**L-4. The Age of Industrialization (History)** **Topics :-** Before the industrial revolution, Hand Labour and steam power, Industrialization in the colonies. (To be assessed as part of periodic assessment only) **L-3. Water Resources (Geography)** **Topics :-** Multipurpose River Projects and Integrated water resources management, Rainwater harvesting. **L-4. Gender, Religion and Caste (Civics)** **Topics :-** Caste and Politics – Caste inequalities, Caste in politics, Politics in caste. **L-3. Money and Credit (Economics)**

	Topics :- Two different credit situation, Terms of credit, Formal sector credit in India, Self Help Groups for the poor.
August (19 days)	**L-4. Agriculture (Geography)** **Topics :-** Types of Farming – Primitive subsistence, Intensive subsistence, Commercial; Cropping pattern – Major crop, Food crop, Non food crop. **L-6. Political Parties (Civics)** **Topics :-** Why do we need political parties? – Meaning, Functions necessity, How many parties should we have?, National parties, State Parties. **L-4. Globalisation and the Indian Economy (Economics)** **Topics :-** Production across country, Interlinking production across countries, Foreign Trade and integration of market.
September (13 days)	**Revision for Half Yearly Examination**
October (19 days)	**L-5. Print culture and the Modern world (History)** **Topics :-** The first printed Books, Print comes to Europe, The print revolution and its impact, Reading mania. **L-4. Agriculture (Geography)** **Topics :-** Technological and Institutional reform, Food Security. **L-6. Political Parties (Civics)** **Topics :-** Challenges to political parties, How can parties be reformed? **L-4. Globalisation and the Indian Economy (Economics)** **Topics :-** What is Globalisation?, Factors that have enabled Globalisation.
November (19 days)	**L-5. Print culture and the modern world (History)** **Topics :-** The 19th century, Indian and the world of print, Religious reform and public Debates, New form of Publication, Print and censorship. **L-5. Minerals and Energy resources (Geography)** **Topics :-** What is a mineral?, Mode of occurrence of minerals, Conservation of minerals, Energy resources, Conservation of Energy resources. **L-7. Outcomes of Democracy (Civics)** **Topics :-** How do we assess democracy's outcomes, Accountable, responsive and legitimate govt., Economic growth and development, Reduction of inequality and poverty, Accommodation of social diversity, Dignity and freedom of citizens.
December (22 days)	**Revision for Pre-board Examination (History)** **L-6. Manufacturing Industries (Geography)** **Topics:-** Importance of Manufacturing – Industries, Agro based Industries, Mineral based Industries, Industrial pollution and Environmental degradation. **L-7. Life Lines of National Economy (Economics)** **Topics:-** Inter disciplinary project and Map.
January (20 days)	**Revision for Annual Examination**
February (14 days)	

SUBJECT – ARTIFICIAL INTELLIGENCE (SUB. CODE 417)

YEAR/ MONTH	WD	CHAPTER NO.	CHAPTERS/TOPICS
2026 MARCH		Foundational concepts of AI	**Session**: What is Intelligence? **Session**: Decision Making.
			• How do you make decisions? • Make your choices! **Session**: what is Artificial Intelligence and what is not?
2026 APRIL		Basics of AI: Let's Get Started	• **Session**: Introduction to AI and related terminologies. • Introducing AI, ML & DL.
			• Introduction to AI Domains (Data, CV & NLP) • **Session:** Applications of AI – A look at Real-life AI implementations
		Introduction to Problem scoping	• **Session:** Introduction to AI Project Cycle. • **Session:** Understanding Problem Scoping & Sustainable Development Goals.
		Data Acquisition & Data Exploration	• **Session:** Simplifying Data Acquisition • **Session:** Visualizing Data.
		Modelling & Evaluation	• **Session:** Introduction to modelling • Introduction to Rule Based & Learning Based AI Approaches.
2026 MAY			• Introduction to Supervised Unsupervised & Reinforcement Learning Models • Neural Networks **Session:** Evaluating the idea!
		Advance Python	• **Session**: Introduction to Python • **Session**: Python Basics. (To be assessed practically)
2026 JUNE			• **Session**: Introduction to Natural language processing. • **Session**: NLP Applications.
		Chat bots	• **Session**: Revising AI project cycle
			• **Session**: Introduction to chat bots. • **Session**: Human Language vs computer language.
2026 JULY		Communication skills (Part A)	• Introduction to Communication and its method. • Types of communications. • Barriers of communication. • 7C's of communication.
		Concepts of NLP	• **Session**: Text Processing • **Session**: Data processing.
			PERIODIC TEST-1
		Self-Management	• Meaning and importance of self-management. • The factors that help in building self-confidence.
		Data Science	• Introduction of big data. • 3 Vs of big data- velocity, variety and volume.
			• **Session**: Introduction to Data Science. • **Session**: Application of Data Science.

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