



BIRLA PUBLIC SCHOOL GANGANAGAR

(A Unit of Birla Education Trust Pilani)

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CBSE Affiliation No. 1730974

Weekly & Monthly Planner

Session: 2025-26

SUBJECT: CHEMISTRY

Book Name: Textbook of Chemistry Part I and II

Teacher's Name: Shayamsunder Giri

Month	Weeks & Dates	Chapter Name & No./ Topic	Learning Outcomes	Details of Practical / Activity with Date	Name of Event With Date
April 06/04/2025 Ram Navami	Week-1 (1 to 5)	Ch-1 Some Basic Concepts of Chemistry	<ul style="list-style-type: none">Students will be able to understand nature and types of matterTo develop scientific temperamentTo develop an attitude to simplify things		
April	Week-2 (7 to 12)	Ch-1 Some Basic Concepts of Chemistry	<ul style="list-style-type: none">Students will be able to understand laws of chemical combinationsTo make them comfortable with new term related to chemical composition and measurement		
April 14/04/2025 Ambedkar Jayanti	Week-3 (14 to 19)	Ch-1 Some Basic Concepts of Chemistry	<ul style="list-style-type: none">Students will be able to do stoichiometric calculationsTo develop problem solving attitude among students	Basic laboratory techniques <ul style="list-style-type: none">Cutting glass tube and glass godBending a glass tube (18/04/2025)	
April	Week-4 (21 to 26)	Ch-2 Structure of Atom	<ul style="list-style-type: none">Students will be able to understand discoveries of fundamental particles of atoms.To develop the scientific temperament		
April	Week-5 (28 to 30)	Ch-2 Structure of Atom	<ul style="list-style-type: none">Students will be able to do stoichiometric calculationsTo develop problem solving attitude among students		


May	Week-1 (1 to 2)	Ch-2 Structure of Atom	<ul style="list-style-type: none"> Students will understand the development of atomic models Student will learn new terms related to atomic structure 		
May 07/05/2025 Eid-ul-Juha (Bakrid)	Week-2 (5 to 10)	Ch-2 Structure of Atom	<ul style="list-style-type: none"> To develop chemical thinking Students will be able to calculate all types of quantum number related calculations 	<ul style="list-style-type: none"> Drawing out a glass jet Boring a cork (9/05/2025) 	
May	Week-3 (12 to 14)	Ch-3 Classification of Elements and Periodicity in Properties	<ul style="list-style-type: none"> Students will be able to understand the importance of classification of elements To develop scientific temperament 		
July	Week-1 (2 to 4)	Ch-3 Classification of Elements and Periodicity in Properties	<ul style="list-style-type: none"> To develop chemical thinking Students will be able to calculate all types of quantum number related calculations 	<ul style="list-style-type: none"> Preparation of standard solution of oxalic acid (4/07/2025) 	
July	Week-2 (7 to 12)	Ch-3 Classification of Elements and Periodicity in Properties	<ul style="list-style-type: none"> Students will be able to make names of elements above 100 atomic numbers To develop chemical thinking 	<ul style="list-style-type: none"> Preparation of standard solution of sodium carbonate (11/07/2025) 	
July	Week-3 (14 to 19)	Ch-4 Chemical Bonding and Molecular Structure	<ul style="list-style-type: none"> Students will be able to understand types of chemical bonding To develop scientific temperament 		
July	Week-4 (21 to 26)	Ch-4 Chemical Bonding and Molecular Structure	<ul style="list-style-type: none"> Students will be able to calculate hybridization and can draw MOT diagrams Students can understand structures of molecules 	<ul style="list-style-type: none"> Titration of sodium hydroxide against standard solution of oxalic acid (25/07/2025) 	
July	Week -5 (28 to 31)	Ch-4 Chemical Bonding And Molecular Structure	<ul style="list-style-type: none"> to develop chemical thinking Students will be able to understand the process of hydrogen bonding in different compounds 		
August	Week-1 (1 to 2)	Ch-4 Chemical	<ul style="list-style-type: none"> Analyse Bond Parameters - Interpret bond length, bond 	<ul style="list-style-type: none"> Determination of strength of hydrochloric acid by titrating 	

		Bonding And Molecular Structure	angle, bond enthalpy, bond order, and bond polarity in molecules. <ul style="list-style-type: none"> Differentiate Between Polar and Non-Polar Molecules 	against sodium carbonate solution (1/08/2025)	
August 09/08/2025 Raksha Bandhan	Week-2 (4 to 9)	Ch-5 Chemical Thermodynamics	<ul style="list-style-type: none"> To make them comfortable with thermodynamics terminology To develop scientific temperament 	<ul style="list-style-type: none"> Preparation and identification of hydrogen, oxygen and carbon dioxide gas (8/08/2025) 	
August 15/08/2025 Independence Day 16/08/2025 Janmashtami	Week-3 (11 to 16)	Ch-5 Chemical Thermodynamics	<ul style="list-style-type: none"> Students will be able to do enthalpy and internal energy calculations To develop problem solving attitude in students 		
August	Week-4 (18 to 23)	Ch-5 Chemical Thermodynamics	<ul style="list-style-type: none"> To develop chemical thinking Students will be able to understand Gibbs energy and equilibrium 	<ul style="list-style-type: none"> Study the shift in equilibrium between ferric ions and thiocyanate ions by increasing /decreasing the concentration of either of ions (22/08/2025) 	
August	Week -5 (25 to 30)	Revision of chapter 1,2			
September	Week-1 (1 to 6)	Revision of chapter 3,4			
September	Week-2 (8 to 13)	Revision of chapter 5			
September	Week-3 (15 to 20)	Mid Term Examination			
September	Week-4 (22 to 27)				

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September	Week -5 (29 to 30)				
October 02/10/2024 Gandhi Jayanti Dussehra	Week-1 (1 to 4)	Ch-6 Equilibrium	<ul style="list-style-type: none"> Students will understand the process of equilibrium To develop scientific temperament 		
October	Week-2 (6 to 11)	Ch-6 Equilibrium	<ul style="list-style-type: none"> Students will understand how acid and base dissociate To develop chemical thinking 	<ul style="list-style-type: none"> Determination of pH of some solution from fruit juices, solution of different concentration of acid and base using pH paper or universal indicator (10/10/2025) 	
October	Week-3 (13 to 18)	Ch-6 Equilibrium	<ul style="list-style-type: none"> Students will be able to do pH calculations Develop problem solving attitude in students 	<ul style="list-style-type: none"> Study of pH change by common ion in case of weak acids and weak bases (17/10/2025) 	
October	Week-3 (16 to 18)	Deepawali Vacation			
October	Week-4 (20 to 25)				
October	Week-4 (23 to 25)	Ch.7 Redox Reactions	<ul style="list-style-type: none"> Concept of oxidation and reduction, redox reactions, oxidation number 	<ul style="list-style-type: none"> Students will be able to understand oxidation and reduction process To develop scientific temperament (24/10/2025) 	
October	Week-5 (27 to 31)	Ch.7 Redox Reactions	<ul style="list-style-type: none"> Students will be able to balance redox reactions To develop chemical thinking 	Detection of C and N in organic compounds (30/10/2025)	
November 05/11/2025 Guru Nanak Jayanti	Week-1 (1 to 8)	Ch.7 Redox Reactions	<ul style="list-style-type: none"> Students will be able to calculate emf of cell Develop problem solving attitude in students 		

November	Week-2 (10 to 15)	Ch.7 Redox Reactions	<ul style="list-style-type: none"> Understand Oxidation Number – Assign oxidation numbers using rules and identify redox changes in reactions Balance Redox Reactions – Apply ion-electron method and oxidation number method to balance redox equations. 	<ul style="list-style-type: none"> Determination of one anion and one cation in each salt (14/11/2025) 	
November	Week-3 (17 to 22)	Ch-8 hydrocarbons	<ul style="list-style-type: none"> To develop analytical thinking Students will be able to make 		Chemistry Event (The Organic Odyssey) (22/11/25)
November	Week-5 (24 to 29)	Ch-8 hydrocarbons	<ul style="list-style-type: none"> Students will be able to identify isomers Students will be able to be isomers 	<ul style="list-style-type: none"> Determination of one anion and one cation in each salt (28/11/2025) 	
December	Week-1 (1 to 6)	Ch-8 hydrocarbons	<ul style="list-style-type: none"> Students will be to able to distinguish between types of aliphatic hydrocarbon To develop chemical thinking 		
December	Week-2 (8 to 13)	Ch-8 hydrocarbons	<ul style="list-style-type: none"> Students will be to Hickel’s rule and the stability of benzene and its derivatives. Environmental Impact – Learn about air pollution, greenhouse effect, and smog due to hydrocarbon combustion. 		
December	Week-3 (15 to 20)	Ch-9 Organic Chemistry	<ul style="list-style-type: none"> Students will be able to understand organic compounds Student can distinguish between different types of organic compound 		
December	Week-4 (22 to 23)	Ch-12 Organic Chemistry	<ul style="list-style-type: none"> Students will be able to understand about compounds Student 		

January	Week-3 (17)	Ch-9 Organic Chemistry	<ul style="list-style-type: none"> Students will be able to understand quantitative and qualitative analysis To develop scientific temperament in students 	<ul style="list-style-type: none"> Determination of one anion and one cation in a given salt (17/1/2026) 	
January 26/01/2026 Republic Day	Week-4 (19 to 24)	Ch-9 Organic Chemistry	<ul style="list-style-type: none"> Students will be able to understand quantitative and qualitative analysis To develop scientific temperament in students 	<ul style="list-style-type: none"> Determination of one anion and one cation in a given salt (23/1/2026) 	
January	Week-5 (26 to 31)	Ch-9 Organic Chemistry	<ul style="list-style-type: none"> Students will be able to make IUPAC names of compounds To develop chemical thinking 	<ul style="list-style-type: none"> Detection of nitrogen in organic compounds (31/1/2026) 	
February	Week-1 (2 to 7)	Revision of chapter 1,2			
February	Week-2 (9 to 14)	Revision of chapter 3,4			
February 16/02/2026 Mahashivratri	Week-3 (16 to 21)	Revision of chapter 5,6			
February	Week-4 (23 to 28)	Revision of chapter 7,8,9			
March 03/03/2026 Holika Dahan 04/03/2026 Holi	Week-1-5 (2 to 31)	Revision of complete syllabus and question practice	Annual Examination		

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Weekly & Monthly Planner

Session: 2025-26

Subject: Mathematics

ESTD. 2013

Book Name: NCERT Mathematics

Teacher's Name: Mr. Ramesh Kumar Sharma

Month	Weeks & Dates	Chapter Name & No./ Topic	Learning Outcomes	Details of Practical / Activity with Date	Name of Event With Date
April 06/04/2025 Ram Navami	Week-1 (1 to 5)	Chapter 1: Sets Topics: Definition, Types of Sets, Subsets, Power Sets, Universal Sets, Venn Diagrams, Union & Intersection	Understand set operations and their applications in problem-solving.	Representing sets and their operations using Venn diagrams.	
April	Week-2 (7 to 12)				
April 14/04/2025 Ambedkar Jayanti	Week-3 (14 to 19)	Chapter 2: Relations and Functions Topics: Cartesian Product, Types of Relations	Understand how to define relations and functions mathematically.	Graphical representation of functions.	
April	Week-4 (21 to 26)	Chapter 2: Relations and Functions Topics: Types of Functions	Understand how to define relations and functions mathematically.		
April	Week-5 (28 to 30)	Chapter 3: Trigonometric Functions Topics: Angles, Measurement in Radians & Degrees, Trigonometric Ratios, Graphs, Identities	Develop proficiency in trigonometric transformations and problem-solving.	Verifying trigonometric identities using unit circle.	
May	Week-1 (1 to 2)	Chapter 3: Trigonometric Functions Topics: Trigonometric Ratios, Graphs, Identities	Develop proficiency in trigonometric transformations and problem-solving.		
May 07/06/2025 Eid-ul-Juha	Week-2 (5 to 10)	Chapter 3: Trigonometric Functions	Develop proficiency in trigonometric transformations and problem-solving.		

(Bakrid)		Topics: Trigonometric Graphs, Identities			
May	Week-3 (12 to 14)	Chapter 4: Complex Numbers and Quadratic Equations Topics: Introduction to Complex Numbers, Algebra of Complex Numbers	Understand imaginary numbers and their algebraic operations	Plotting complex numbers on an Argand plane.	
July	Week-1 (2 to 4)	Chapter 4: Complex Numbers and Quadratic Equations Topics: Algebra of Complex Numbers	Understand imaginary numbers and their algebraic operations		
July	Week-2 (7 to 12)	Chapter 5: Linear Inequalities Topics: Solving Linear Inequalities Algebraically & Graphically	Understand solutions of inequalities and their graphical representation	Solving inequalities using real-life examples.	
July	Week-3 (14 to 19)	Chapter 5: Linear Inequalities Topics: Solving Linear Inequalities Algebraically & Graphically	Understand solutions of inequalities and their graphical representation		
July	Week-4 (21 to 26)	Chapter 7: Permutations and Combinations Topics: Factorial	Apply counting principles to solve real-life	Arranging objects in different ways practically.	
July	Week -5 (28 to 31)	Chapter 7: Permutations and Combinations Topics: Permutation Formula	Apply counting principles to solve real-life		

August	Week-1 (1 to 2)	Chapter 7: Permutations and Combinations Topics: Combination Formula	Apply counting principles to solve real-life		
August 09/08/2025 Raksha Bandhan	Week-2 (4 to 9)	Chapter 7: Binomial Theorem Topics: Expansion	Learn binomial expansion for algebraic expressions.	Verifying Pascal's Triangle.	
August 15/08/2025 Independence Day 16/08/2025 Janmashtami	Week-3 (11 to 16)	Chapter 7: Binomial Theorem Topics: General & Middle Term, Applications	Learn binomial expansion for algebraic expressions.		
August	Week-4 (18 to 23)	Chapter 7: Binomial Theorem Topics: General & Middle Term, Applications	Learn binomial expansion for algebraic expressions.		
August	Week -5 (25 to 30)	Revision Chapter 1,2 & 3			
September	Week-1 (1 to 6)	Revision Chapter 4,5 & 6			
September	Week-2 (8 to 13)	Revision Chapter 7			
September	Week-3 (15 to 20)	Mid Term Examination			
September	Week-4 (22 to 27)				
September	Week -5 (29 to 30)				
October 02/10/2024 Gandhi Jayanti	Week-1 (1 to 4)				

Dussehra		Topics: Arithmetic Progression,			
October	Week-2 (6 to 11)	Chapter 8: Sequences and Series Topics: Geometric Progression, Sum of n Terms	Understand different types of sequences and their applications.		
October	Week-3 (13 to 18)	Chapter 9: Straight Lines Topics: Slope, Intercepts	Solve geometry problems using straight line equations.	Finding the equation of lines from given points.	
October	Week-3 (16 to 18)	Deepawali Vacation			
October	Week-4 (20 to 25)	Chapter 9: Straight Lines Topics: Equations, Distance	Solve geometry problems using straight line equations.		
October	Week-4 (23 to 25)	Chapter 9: Straight Lines Topics: Section Formula	Solve geometry problems using straight line equations.		
October	Week-5 (27 to 31)	Chapter 10: Conic Sections Topics: Circle	Analyze the properties of conic sections.	Drawing conic sections using graph paper.	
November 05/11/2025 Guru Nanak Jayanti	Week-1 (3 to 8)	Chapter 10: Conic Sections Topics: Parabola,	Analyze the properties of conic sections.		
November	Week-2 (10 to 15)	Chapter 10: Conic Sections Topics: Ellipse, Hyperbola	Analyse the properties of conic sections.		

November	Week-3 (17 to 22)	Chapter 11: Introduction to Three-Dimensional Geometry Topics: Coordinates in 3D Space	Understand concepts of 3D coordinate geometry.	<ul style="list-style-type: none"> Locating points in 3D using physical models. 	
November	Week-5 (24 to 29)	Chapter 11: Introduction to Three-Dimensional Geometry Topics: Distance	Understand concepts of 3D coordinate geometry.		
December	Week-1 (1 to 6)	Chapter 11: Introduction to Three-Dimensional Geometry Topics: Section Formula	Understand concepts of 3D coordinate geometry.		
December	Week-2 (8 to 13)	Chapter 12: Limits and Derivatives Topics: Concept of Limits	Understand the fundamentals of calculus.	Graphical interpretation of derivatives.	
December	Week-3 (15 to 20)	Chapter 12: Limits and Derivatives Topics: Derivative as a Rate of Change	Understand the fundamentals of calculus.		
December	Week-4 (22 to 23)	Chapter 13: Statistics Topics: Measures of Dispersion	Analyse data using statistical measures.	Real-life data analysis.	
January	Week-3 (17)	Chapter 13: Statistics Topics: Variance, Standard Deviation	Analyse data using statistical measures.		
January 26/01/2026 Republic Day	Week-4 (19 to 24)	Chapter 14: Probability	Apply probability in practical situations.	Conducting probability experiments.	Mathematics class Event 19/01/2026

		Topics: Random Experiments, Events,			
January	Week-5 (26 to 31)	Chapter 14: Probability Topics: Conditional Probability	Apply probability in practical situations.		
February	Week-1 (2 to 7)	Full syllabus revision, problem-solving,			
February	Week-2 (9 to 14)	Full syllabus revision, problem-solving,			
February 16/02/2026 Mahashivratri	Week-3 (16 to 21)	Full syllabus revision, problem-solving,			
February	Week-4 (23 to 28)	Full syllabus revision, problem-solving,			
March 03/03/2026 Holika Dahan 04/03/2026 Holi	Week-1 (2 to 7)	Full syllabus revision, problem-solving,			
March	Week-2 (8 to 14)	Annual Examination			
March	Week-3 (16 to 21)				
March	Week-4 (23 to 28)				
March	Week-5 (30 to 31)				

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Weekly & Monthly Planner

Session: 2025-26

SUBJECT: BIOLOGY

Book Name: NCERT

Teacher's Name: Ms.Reena

Month	Weeks & Dates	Chapter Name & No./ Topic	Learning Outcomes	Details of Practical / Activity with Date	Name of Event With Date
April 06/04/2025 Ram Navami	Week-1 (1 to 5)	Ch-1 The Living World <ul style="list-style-type: none"> ✚ What is living? ✚ Biodiversity. ✚ Need for classification; taxonomy and systematics; concept of species and 	1. Students will be able to understand about biodiversity. 2. why do living organisms need to divide. 3. to know about the identification and naming of living organisms.	To study parts of compound microscope.	
April	Week-2 (7 to 12)	Ch-1 The Living World <ul style="list-style-type: none"> ✚ taxonomical hierarchy; binomial nomenclature; tools for study of taxonomy 	4. to understand the concept of binomial nomenclature	Study of the specimens' / slides / models and identification with reasons - Bacteria, Oscillatoria, Spirogyra,	

				Rhizopus,	
April 14/04/2025 Ambedkar Jayanti	Week-3 (14 to 19)	Ch-2 Biological Classification <ul style="list-style-type: none"> ✚ Five kingdom classification. ✚ Salient features and classification of ✚ Monera, Protista 	1.Students will be able to develop the understanding of patterns of classification of living world.	Study of the specimens/slides mushroom, yeast, liverwort, moss, fern, pine,	
April	Week-4 (21 to 26)	Ch-2 Biological Classification <ul style="list-style-type: none"> ✚ Fungi into major groups: ✚ Lichens, Viruses and Viroids. 	1.Will be able to differentiate between plants and animals on the basis of their characteristics. 2.To know about the scientific terminology related to plants and animals.	Study of the specimens/slides one monocotyledonous plant, one dicotyledonous plant and one lichen.	
April	Week-5 (28 to 30)	Ch-3 Plant Kingdom <ul style="list-style-type: none"> ✚ Salient features and classification of plants into major groups - ✚ Algae, Bryophyta, Pteridophyta, 	1.To analyses the types of biodiversity in kingdom Plantae. 2.To develop biological thinking. 3.Will be able to differentiate between the different categories of plants.	Study of different modifications in roots, stems and leaves, types of inflorescence description of flowering plants, one from each of the families Solanaceae, Fabaceae and Liliaceae	
May	Week-1 (1 to 2)	Ch-3 Plant Kingdom	4. will be able to know about the main features of angiosperms and gymnosperms.	Study of tissues and diversity in shapes and sizes of plant (palisade	

		<ul style="list-style-type: none"> ✚ Gymnospermae and Angiospermae (three to five salient and distinguishing features) 	5.To analyze similarities and differences among different groups of plants	cells, guard cells,	
<p>May 07/06/2025 Eid-ul-Juha (Bakrid)</p>	Week-2 (5 to 10)	<p>Ch-3 Plant Kingdom</p> <ul style="list-style-type: none"> ✚ Angiosperms - classification up to class, characteristic features and examples 	6. will be able to differentiate between the different classes of angiosperms.	parenchyma, collenchyma, Sclerenchyma, xylem, phloem	
<p>May</p>	Week-3 (12 to 14)	<p>Ch-4 Animal Kingdom Salient features and classification of animals,</p>	<p>1.Students will be able to develop an understanding of patterns of classification of living world.</p> <p>2.Will be able to differentiate between different types of animals based on their characteristics.</p>	Study of virtual specimens' /slides/ models and identification with reasons - Amoeba, Hydra, liver fluke, Ascaris, leech, earthworm, prawn,	
<p>July</p>	Week-1 (2 to 4)	<p>Ch-4 Animal Kingdom non-chordates up to phyla level</p>	<p>3. will be able to know about the different groups of non-vertebrates and their examples.</p> <p>4. Will be able to identify the animals of different classes.</p>	Study of virtual specimen's /slides/ models and identification with reasons - silkworm, honeybee, snail, starfish, shark, rohu, frog, lizard, pigeon and rabbit.	
<p>July</p>	Week-2 (7 to 12)	<p>Ch-4 Animal Kingdom chordates up to class level</p>	<p>5. will be familiar with the scientific names of animals.</p> <p>6. will be able to differentiate</p>		

			between the classes of vertebrates.		
July	Week-3 (14 to 19)	Ch-5 Morphology of Flowering Plants Morphology and modifications: Morphology of different parts of flowering plants	1.Students will be able to know about the morphological features of plants. 2. To develop skill of making diagram of Flowers. Floral Diagram and Floral Formula of Family Solanaceae or Liliaceae 3.To develop scientific temperament.	Study and describe locally available common flowering plants, from family Solanaceae including dissection and display of floral whorls, anther and ovary to show number of chambers (floral formulae and floral diagrams),	
July	Week-4 (21 to 26)	Ch-5 Morphology of Flowering Plants root, stem, leaf, inflorescence, flower, fruit and seed	4. will be able to identify the various modifications of plant parts. 5.able to write the floral formula. 6. will be able to understand the edible parts of fruits.	type of root (tap and adventitious); type of stem (herbaceous and woody); leaf (arrangement, shape, venation, simple and compound).	
July	Week -5 (28 to 31)	Ch-6 Anatomy of Flowering Plants Anatomy and functions of different tissues: Simple plant tissues. Complex plant tissues	1.Students will be able to know about the internal structures of plants. 2. To develop skill of making diagrams of plant parts.	Study of osmosis by potato osmometer. Study of plasmolysis in epidermal peels	

			3.To develop scientific temperament.		
August	Week-1 (1 to 2)	Ch-6 Anatomy of Flowering Plants Structure of monocot and dicot Root, Stem and Leaves	4. will be able to draw the structure of monocot, dicot root stem and leaves. 5. will be able to differentiate between monocot and dicot plants.	Preparation and study of T.S. of dicot and monocot roots and stems	
August 09/08/2025 Raksha Bandhan	Week-2 (4 to 9)	Ch-7 Structural Organization in Animals Morphology, anatomy and functions of different systems of frog.	1. Students will be able to study the anatomy of various parts of frog. 2. will be able to draw their diagrams and compare them with human anatomy.	Study of distribution of stomata on the upper and lower surfaces of leaves.	
August 15/08/2025 Independence Day 16/08/2025 Janmasthanmi	Week-3 (11 to 16)	Ch-8 Cell the unit of Life Cell theory and cell as the basic unit of life: Structure of prokaryotic and eukaryotic cells; Plant cell and animal cell; cell envelope; cell membrane, cell wall; cell organelles - structure and function; endomembrane system, endoplasmic reticulum.	1.Will be able to identify the cellular components of an animal cell -Identify the cellular components of a plant cell 2.State the functions of the cellular components in a cell State the functions of the cellular components in a plant cell		
August	Week-4 (18 to 23)	Ch-8 Cell the unit of Life Golgi bodies, lysosomes, vacuoles; mitochondria, ribosomes, plastids, microbodies; cytoskeleton, cilia, flagella, centrioles (ultrastructure and function); nucleus	3. Compare and contrast animal cells and plant cells. 4. Relate the density of certain organelles with the functions of specific cells 5. will be able to draw the diagrams of various cell organelles.		

August	Week -5 (25 to 30)	Ch-9 Biomolecules Chemical constituents of living cells: biomolecules, structure and function of proteins, carbohydrates, lipids, nucleic acids;	1.To understand about the Primary and Secondary metabolites 2. To understand about the structure and function of different Biomacromolecules and polymers.	Test for the presence of sugar, starch, proteins and fats in suitable plant and animal materials. Separation of plant pigments through paper chromatography.	
September	Week-1 (1 to 6)	Ch-9 Biomolecules Enzymestypes, properties, enzyme action	1.To relate the function of biomolecules and enzymes in day-to-day life. 2. will be familiar with the biological names of enzymes.		
September	Week-2 (8 to 13)				
September	Week-3 (15 to 20)	Mid Term Examination			
September	Week-4 (22 to 27)				
September	Week -5 (29 to 30)				
October 02/10/2024 Gandhi Jayanti Dussehra	Week-1 (1 to 4)				
October	Week-2 (6 to 11)	Ch-10 Cell Cycle and Cell Division meiosis and their significance	3. able to compare mitosis and meiosis. 4. to understand the		

			importance of meiosis in sexual reproduction.		
October	Week-3 (13 to 18)	Ch -11 Photosynthesis in Higher Plants Photosynthesis as a means of autotrophic nutrition; site of photosynthesis, pigments involved in photosynthesis (elementary idea); photochemical and biosynthetic phases of photosynthesis; cyclic and noncyclic	1.Students will be able to understand the process of photosynthesis. 2.To develop the scientific temperament. 3.To develop the skills of drawing cycles. 4. will be able to understand the concept of cyclical and non-cyclic pathways.		
October	Week-3 (16 to 18)	Deepawali Vacation			
October	Week-4 (20 to 25)	Ch -11 Photosynthesis in Higher Plants photophosphorylation; chemiosmotic hypothesis; photorespiration; C3 and C4 pathways; factors affecting photosynthesis	5.To make them comfortable with new terms related to photosynthesis. 6.To develop biological thinking. 7. will be able to understand C3 and C4 pathways.		
October	Week-4 (23 to 25)	Ch-12 Respiration in Plants Exchange of gases; cellular respiration - glycolysis, fermentation (anaerobic	1. Students will be able to understand the process of respiration in plants. 2.To develop the scientific temperament. 3.To develop the skills of drawing cycles.	To Study of the rate of respiration in flower buds/ leaf tissue and germinating seeds.	
October	Week-5 (27 to 31)	Ch-12 Respiration in Plants TCA cycle and electron transport system (aerobic), energy relations - number of	4.To make them comfortable with new terms related to respiration. 5.To understand the process	Observation and comments on the experimental set up for showing:	

		ATP molecules generated; amphibolic pathways, respiratory quotient.	of production of energy. 6. will be able to understand the respiratory quotient of different substrates.	a) Anaerobic respiration b) Phototropism c) Effect of apical bud removal	
November 05/11/2025 Guru Nanak Jayanti	Week-1 (3 to 8)	Ch-13 Plant - Growth and Development Seed germination; phases of plant growth and plant growth rate; conditions of growth; differentiation, dedifferentiation and redifferentiation	1. students will be able to understand the different growth patterns. 2. to differentiate between the differentiation, dedifferentiation and redifferentiation		
November	Week-2 (10 to 15)	Ch-13 Plant - Growth and Development sequence of developmental processes in a plant cell; growth regulators - auxin, gibberellin, cytokinin	3. will be able to know about the role of plant hormones as growth regulators. 4. will be able to know about the biosynthesis and working of growth promoters.		
November	Week-3 (17 to 22)	Ch-13 Plant - Growth and Development ethylene, ABA; seed dormancy; vernalization; photoperiodism.	5. will be able to understand the working of growth inhibitor hormones. 6. to understand the introduction and breaking of dormancy.		
November	Week-5 (24 to 29)	Ch- 14 Breathing and Exchange of Gases Respiratory system in humans; mechanism of breathing and its regulation in humans - exchange of gases, transport of gases and regulation of respiration, respiratory volume; disorders related to respiration - asthma,	1.To comprehend the mechanism of breathing, 2.To Calculate respiratory Quotient 3.Will be able to understand the mechanism of exchange of gases. 4.Will be able to know about the different respiratory		

		emphysema, occupational respiratory disorders	disorders and their causes.		
December	Week-1 (1 to 6)	Ch-15 Body Fluids and Circulation Composition of blood, blood groups, coagulation of blood; composition of lymph and its function.	1. Will be able to know about human the different components of human circulatory system. 2. will be able to differentiate between the working of blood and lymph.	To show electrocardiogram.	
December	Week-2 (8 to 13)	Ch-15 Body Fluids and Circulation human circulatory system - Structure of human heart and blood vessels; cardiac cycle, cardiac output, ECG; double circulation; regulation of cardiac activity; disorders of circulatory system.	3. To learn the skills of drawing diagrams. 4. To understand hypertension, CAD, Angina pectoris Cardiac arrest, heart failure. 5. To know about the ECG. 6. will be able to know about heart disorders.		
December	Week-3 (15 to 20)	Ch-16 Excretory Products and Their Elimination Modes of excretion - ammoniotelic, ureotelism, uricotelism; human excretory system - structure and function; urine formation, osmoregulation	1. To learn the skills of drawing diagrams. 3. To understand the structure and functioning of the human excretory system 4. will be able to understand the types of nitrogenous waste.	Test for presence of urea in urine. Test for presence of sugar in urine.	
December	Week-4 (22 to 23)	Ch-16 Excretory Products and Their Elimination regulation of kidney function -	5. will be able to understand the hormonal and neural control of kidney.	Test for presence of albumin in urine.	

		renin - angiotensin, atrial natriuretic factor, ADH and diabetes insipidus; role of other organs in excretion; disorders	6. role of hormones in the osmoregulation. 7. will acquire the knowledge of kidney disorders.	Test for presence of bile salts in urine.	
January	Week-3 (17)	Ch-17 Locomotion and Movement Types of movement - ciliary, flagellar, muscular; skeletal muscle- contractile proteins and muscle contraction;	1. Will be able to know about the mechanism of working of all the types of movements in the body. 2. Will be able to understand biological terminology Related to body movements.		
January 26/01/2026 Republic Day	Week-4 (19 to 24)	Ch-17 Locomotion and Movement skeletal system and its functions; joints; disorders of muscular and skeletal system	1. Will be able to know about the muscle disorders and diseases related to bones and muscles of body. 2. Will be able to understand biological terminology Related to body movements.	Human skeletons and different types of joints with the help of virtual images/ models only.	
January	Week-5 (26 to 31)	Ch-18 Neural Control and Coordination Neuron and nerves; Nervous system in humans - central nervous system; peripheral nervous system and visceral nervous system	1. Will be able to understand the mechanisms and the process of control and coordination in body.		
February	Week-1 (2 to 7)	Ch-18 Neural Control and Coordination generation and conduction of nerve impulse; reflex action; sensory perception; sense organs.	2. Will be able to understand the different mechanisms and the process of control and coordination adopted by our body. 3. Will be able to develop scientific terminology.		

February	Week-2 (9 to 14)	Ch-19 Chemical Coordination and Integration Endocrine glands and hormones; human endocrine system - hypothalamus, pituitary, pineal, thyroid, parathyroid	1. Will be able to know about the location of different endocrine glands and hormones secreted by them. 2. To develop biological thinking.		
February 16/02/2026 Mahashivratri	Week-3 (16 to 21)	Ch-19 Chemical Coordination and Integration adrenal, pancreas, gonads. role of hormones as messengers and regulators, hypo - and hyperactivity and related disorders	3. Will be able to understand the importance of hormones in the body 4. Able to understand the effect of hyposecretion and hypersecretion of hormones.		
February	Week-4 (23 to 28)	Revision			
March 03/03/2026 Holika Dahan 04/03/2026 Holi	Week-1 (2 to 7)	Revision			
March	Week-2 (8 to 14)	Annual Examination			
March	Week-3 (16 to 21)				
March	Week-4 (23 to 28)				
March	Week-5 (30 to 31)				
March	Week-5 (30 to 31)	Result Declaration			



BIRLA PUBLIC SCHOOL GANGANAGAR

(A Unit of Birla Education Trust Pilani)

(A step ahead... ..)

CBSE Affiliation No. 1730974



Weekly & Monthly Planner

Session: 2025-26

SUBJECT: PAINTING

Book Name: History of Indian Art

Teacher's Name: Sarthak Varshney

Month	Weeks & Dates	Chapter Name & No./ Topic	Learning Outcomes	Detail of Practical / Activity with Date	Name of Event with Date
April 06/04/2025 Ram Navami	Week-1 (1 to 5)	Introduction of Syllabus Fundamentals of art.	<ol style="list-style-type: none">1. Understand Art's Purpose2. Identify Art Types3. Deconstruct Artworks4. Compose Art Effectively		
April	Week-2 (7 to 12)	Fundamentals of art. <ol style="list-style-type: none">1. Elements of art2. Principles of art3. Limbs of art	<ol style="list-style-type: none">1. Understand Art's Purpose2. Identify Art Types3. Deconstruct Artworks4. Compose Art Effectively		

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Month	Weeks & Dates	Chapter Name & No./ Topic	Learning Outcomes	Detail of Practical/ Activity with Date	Name of Event with Date
April 14/04/2025 Ambedkar Jayanti	Week-3 (14 to 19)	Unit-1 Practical: Nature and Object Study 1. Study of two or three natural and geometric forms in pencil with light and shade from a fixed point of view. 2. Natural forms e.g. leave fruits etc. and Geometrical forms of objects e.g. cones cylinder etc. should be used.	1. Students will demonstrate an understanding of light and shade by effectively applying techniques to create realistic three-dimensional representations of objects. 2. Students will develop proficiency in rendering textures, distinguishing between smooth and rough surfaces in their drawings. 3. Students will exhibit improved pencil drawing skills.		
April	Week-4 (21 to 26)	Unit-1 Pre-Historic Rock-Paintings Introduction 1) Period and Location	1. Describe Techniques: Explain how prehistoric people created rock paintings.		
April	Week-5 (28 to 30)	Unit-1 Pre-Historic Rock-Paintings 1) Study and appreciation of the following pre-historic paintings: i. Wizard's Dance ii. Bhimbetka cave	1. Analyze Themes: Identify recurring subjects and themes in rock paintings. 2. Formulate Theories: Develop interpretations about the motivations behind rock paintings.		

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Month	Weeks & Dates	Chapter Name & No./ Topic	Learning Outcomes	Detail of Practical/ Activity with Date	Name of Event with Date
May	Week-1 (1 to 2)	Unit-1 Practical: Nature and Object Study 1. Study of two or three natural and geometric forms in pencil with light and shade from a fixed point of view. 2. Natural forms e.g. leave fruits etc. and Geometrical forms of objects e.g. cone, cylinder etc. should be used.	1. Students will demonstrate an understanding of light and shade by effectively applying techniques to create realistic three-dimensional representations of objects. 2. Students will develop proficiency in rendering textures, distinguishing between smooth and rough surfaces in their drawings. 3. Students will exhibit improved pencil drawing skills.		
May 07/06/2025 Eid-ul-Juha (Bakrid)	Week-2 (5 to 10)	Indus Valley Civilization 1) Period and Location. 2) Extension: In about 1500 miles. i. Harappa & Mohenjo-daro (Now in Pakistan) ii. Ropar, Lothal, Rangpur, Alamgirpur, Kali Bangan, Banawali and Dholavira (in India)	1. Students will be able to describe the period and geographical location of the Indus Valley Civilization. 2. Students will comprehend the vast geographical extent of civilization. 3. Students will demonstrate an understanding of the significance of these sites in understanding the cultural and technological advancements of the civilization.		

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Month	Weeks & Dates	Chapter Name & No./ Topic	Learning Outcomes	Detail of Practical/ Activity with Date	Name of Event with Date
May	Week-3 (12 to 14)	Unit-1 Practical: Nature and Object Study 1. Study of two or three natural and geometric forms in pencil with light and shade from a fixed point of view. 2. Natural forms e.g. leave fruits etc. and Geometrical forms of objects e.g. cone, cylinder etc. should be used.	1. Students will demonstrate an understanding of light and shade by effectively applying techniques to create realistic three-dimensional representations of objects. 2. Students will develop proficiency in rendering textures, distinguishing between smooth and rough surfaces in their drawings. 3. Students will exhibit improved pencil drawing skills.		
July	Week-1 (2 to 4)	Study and appreciation of following: Sculptures, and Terracotta's: i. Dancing girl (Mohenjo-daro) Bronze, 10.5x5x2.5cm. Circa 2500B.C. ii. Male Torso (Harappa) Red limestone, 9.2x5.8x3cms. Circa 2500B.C. iii. Mother Goddess (Mohenjo-daro) terracotta, 22x8x5cms. Circa 2500B.C. (Collection: National Museum, New Delhi).	1. Students will be able to discuss the historical context in which these artifacts were created, including their purpose and significance. 2. They will develop critical thinking skills by analyzing the artistic techniques and materials employed in crafting these artifacts. 3. They will gain a deeper understanding of the cultural and societal aspects reflected in ancient sculptures and terracotta's.		

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Month	Weeks & Dates	Chapter Name & No./ Topic	Learning Outcomes	Detail of Practical/ Activity with Date	Name of Event with Date
July	Week-2 (7 to 12)	<p>Study and appreciation of the following: Seals:</p> <p>i. Bull (Mohenjo-daro) Stone (Steatite), 2.5x2.5x1.4cm. Circa 2500B.C.</p> <p>ii. Decoration on earthen wares: Painted earthen-ware (Jar) Mohenjo-daro. (Collection: National Museum, New Delhi).</p>	<ol style="list-style-type: none"> 1. Students will demonstrate an understanding of the significance of seals in ancient civilizations by discussing the possible uses and importance of the Bull Seal. 2. Students will analyze the decorative motifs and techniques employed on the painted earthenware jar from Mohenjo-daro, recognizing the cultural influences and artistic styles. 		
July	Week-3 (14 to 19)	<p>Unit 2 <u>Buddhist, Jain and Hindu Art</u> (3rd century B.C. to 8th century A.D.) General Introduction to Art during Mauryan, Shunga, Kushana (Gandhara and Mathura styles) and Gupta period:</p>	<ol style="list-style-type: none"> 1. Students will be able to differentiate between the artistic styles of the Mauryan, Shunga, Kushana (Gandhara and Mathura styles), and Gupta periods. 2. They will be able to analyze artworks to discern the religious, political, and societal influences that shaped them. 3. They will be able to interpret the symbolism and iconography present in sculptures, paintings and architecture. 		

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Month	Weeks & Dates	Chapter Name & No./ Topic	Learning Outcomes	Detail of Practical/ Activity with Date	Name of Event with Date
July	Week-4 (21 to 26)	Unit-1 Practical: Nature and Object Study 1. Study of two or three natural and geometric forms in pencil with light and shade from a fixed point of view. 2. Natural forms e.g. leave fruits etc. and Geometrical forms of objects e.g. cones cylinder etc. should be used.	1. Students will demonstrate an understanding of light and shade by effectively applying techniques to create realistic three-dimensional representations of objects. 2. Students will develop proficiency in rendering textures, distinguishing between smooth and rough surfaces in their drawings. 3. Students will exhibit improved pencil drawing skills.		
July	Week -5 (28 to 31)	Study and appreciation of following Sculptures: 1. Lion Capital from Sarnath (Mauryan period) Polished sandstone, Circa 3rd Century B.C. (Collection: Sarnath Museum, U.P.) 2. Chauri Bearer from Didar Ganj (Yakshi) (Mauryan period) Polished sandstone Circa 3rd Century B.C. (Collection: Patna Museum, Bihar)	1. Students will be able to identify the key features of Mauryan period sculptures, including their materials, styles, and themes. 2. Students will gain an appreciation for the artistic techniques employed by ancient Indian sculptors, such as carving and polishing sandstone. 3. Students will demonstrate knowledge of the historical and cultural significance of these sculptures within the Mauryan empire.		

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Month	Weeks & Dates	Chapter Name & No./ Topic	Learning Outcomes	Detail of Practical/ Activity with Date	Name of Event with Date
August	Week-1 (1 to 2)	Unit 2: Practical Painting Composition 1. Painting Composition Imaginative painting based on subjects from Life and Nature in water and poster colors with color values. 2. Composition on daily life - Drawings of human and animal figures, perspective learning and color application.	1. Students will produce imaginative paintings inspired by subjects from Life and Nature, showcasing creativity and originality. 2. Students will grasp the fundamentals of perspective drawing, applying them to create realistic and dynamic compositions. 3. Students will employ various color application techniques to evoke specific emotions and atmospheres in their paintings.		
August 09/08/2025 Raksha Bandhan	Week-2 (4 to 9)	Study and appreciation of following Sculptures: 1. Seated Buddha from Katra Mound, Mathura-(Kushan Period- Mathura Style) Red-spotted Sandstone, Circa 3rd Century AD. (Collection: Govt. Museum, Mathura) 2. Jain Tirthankara (Gupta period) Stone Circa 5th Century A.D. (Collection: State Museum, Lucknow U.P.)	1. Students will be able to describe the characteristics of the Mathura Style and Gupta Style of sculpture. 2. Students will gain knowledge of the religious and philosophical beliefs associated with Buddhism and Jainism reflected in the sculptures. 3. Students will be able to recognize the differences between the seated Buddha and Jain Tirthankara sculptures in terms of posture, mudras (hand gestures), and facial expressions.		

Month	Weeks & Dates	Chapter Name & No./ Topic	Learning Outcomes	Detail of Practical/ Activity with Date	Name of Event with Date
August 15/08/2025 Independence Day 16/08/2025 Janmasthanmi	Week-3 (11 to 16)	Unit 2: Practical Painting Composition 1. Painting Composition Imaginative painting based on subjects from Life and Nature in water and poster colors with color values. 2. Composition on daily life - Drawings of human and animal figures, perspective learning and color application.	1. Students will produce imaginative paintings inspired by subjects from Life and Nature, showcasing creativity and originality. 2. Students will grasp the fundamentals of perspective drawing, applying them to create realistic and dynamic compositions. 3. Students will employ various color application techniques to evoke specific emotions and atmospheres in their paintings.		
August	Week-4 (18 to 23)	Introduction to Ajanta Caves 1. Period 2. No of caves 3. Chaitya and Vihara 4. Paintings and Sculptures and their Subject matter and technique etc.	1. Students will be able to enumerate the total number of caves at Ajanta and explain their functional distinctions as Chaitya or Vihara. 2. Students will be able to analyze the subject matter of Ajanta's paintings and sculptures, and an understanding of their cultural and religious significance. 3. Students will be able to identify and describe the artistic techniques utilized in the creation of Ajanta's paintings.		

Month	Weeks & Dates	Chapter Name & No./ Topic	Learning Outcomes	Detail of Practical/ Activity with Date	Name of Event with Date
August	Week -5 (25 to 30)	Introduction to Ellora Caves 1. Period 2. No caves 3. Paintings and Sculptures and their Subject matter and technique etc.	<ol style="list-style-type: none"> 1. Students will be able to analyze and interpret the subject matter depicted in paintings and sculptures found at Ellora. 2. Students will demonstrate an understanding of the cultural and religious context influencing the artwork at Ellora Caves. 3. Students will demonstrate observational skills by accurately identifying artistic techniques in Ellora's artworks. 		
September	Week-1 (1 to 6)	Revision for Mid-Term Examination			
September	Week-2 (8 to 13)	Revision for Mid-Term Examination			
September	Week-3 (15 to 20)	Mid Term Examination			
September	Week-4 (22 to 27)				
September	Week -5 (29 to 30)				
September	Week -5 (29 to 30)				

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Month	Weeks & Dates	Chapter Name & No./ Topic	Learning Outcomes	Detail of Practical/ Activity with Date	Name of Event with Date
October 02/10/2024 Gandhi Jayanti Dussehra	Week-1 (1 to 4)	Unit 2: Practical <u>Painting Composition</u> 1. Painting Composition Imaginative painting based on subjects from Life and Nature in water and poster colors with color values. 2. Composition on daily life - Drawings of human and animal figures, perspective learning and color application.	1. Students will produce imaginative paintings inspired by subjects from Life and Nature, showcasing creativity and originality. 2. Students will grasp the fundamentals of perspective drawing, applying them to create realistic and dynamic compositions. 3. Students will employ various color application techniques to evoke specific emotions and atmospheres in their paintings.		
October	Week-2 (6 to 11)	Unit 2: Practical <u>Painting Composition</u> 1. Painting Composition Imaginative painting based on subjects from Life and Nature in water and poster colors with color values. 2. Composition on daily life - Drawings of human and animal figures, perspective learning and color application.	1. Students will produce imaginative paintings inspired by subjects from Life and Nature, showcasing creativity and originality. 2. Students will grasp the fundamentals of perspective drawing, applying them to create realistic and dynamic compositions. 3. Students will employ various color application techniques to evoke specific emotions and atmospheres in their paintings.		

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Month	Weeks & Dates	Chapter Name & No./ Topic	Learning Outcomes	Detail of Practical/ Activity with Date	Name of Event with Date
October	Week-3 (13 to 18)	Unit 3: Temple Sculpture, Bronzes and artistic aspects of Indo- Islamic Architecture Artistic aspects of Indian Temple sculpture (6th Century A.D. to 13th Century A.D.) Introduction to Temple Sculpture (6th Century A.D. to 13th Century A.D.)	<ol style="list-style-type: none"> 1. Students will be able to describe the evolution of Indian temple sculpture from the 6th to the 13th century AD, highlighting developments and changes. 2. Students will develop a deeper understanding of the religious and cultural beliefs represented in Indian temple sculpture through critical analysis and interpretation. 3. Students will recognize the regional influences, and stylistic variations present in temple sculpture across different regions of India. 		
October	Week-3 (16 to 18)	Deepawali Vacation			
October	Week-4 (20 to 25)				

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Month	Weeks & Dates	Chapter Name & No./ Topic	Learning Outcomes	Detail of Practical/ Activity with Date	Name of Event with Date
October	Week-4 (23 to 25)	Study and appreciation of following Temple-Sculptures: 1. Descent of Ganga (Pallava period, Mahabalipuram, Tamil Nadu), granite rock Circa 7th Century A.D. 2. Trimurti (Elephanta, Maharashtra) Stone Circa 9th Century A.D.	1. Students will be able to identify the Pallava and Elephanta styles of temple sculpture. 2. Students will gain knowledge of the mythological stories associated with the Descent of Ganga and Trimurti sculptures. 3. Students will appreciate the cultural diversity and artistic heritage of India through the study of temple sculptures in Tamil Nadu and Maharashtra.		
October	Week-5 (27 to 31)	Study and appreciation of following Temple-Sculptures: 1. Lakshmi Narayana (Kandariya Mahadev Temple) (Chandela period, Khajuraho, Madhya Pradesh) Stone Circa 10th Century A.D. 2. Cymbal Player, Sun Temple (Ganga Dynasty, Konark, Orrisa) Stone Circa 13th Century A.D. 3. Mother and Child (Vimal-Shah Temple, Solanki Dynasty, Dilwara, Mount Abu; Rajasthan) white marble, Circa 13th Century A.D.	1. Students will be able to identify the specific temple sculptures mentioned and discuss their historical context. 2. They will gain knowledge of the artistic traditions of the Chandela, Ganga, and Solanki dynasties. 3. They will be able to describe the materials and techniques used in the creation of these sculptures. 4. Development of ability to interpret the symbolic meanings behind the figures, such as the symbolism of Lakshmi Narayana, the Cymbal Player and the mother and Child.		

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Month	Weeks & Dates	Chapter Name & No./ Topic	Learning Outcomes	Detail of Practical/ Activity with Date	Name of Event with Date
November 05/11/2025 Guru Nanak Jayanti	Week-1 (3 to 8)	Study and appreciation of following Temple-Sculptures: 1. Lakshmi Narayana (Kandaria Mahadev Temple) (Chandela period, Khajuraho, Madhya Pradesh) Stone Circa 10th Century A.D. 2. Cymbal Player, Sun Temple (Ganga Dynasty, Konark, Orrisa) Stone Circa 13th Century A.D. 3. Mother and Child (Vimal-Shah Temple, Solanki Dynasty, Dilwara, Mount Abu; Rajasthan) white marble, Circa 13th Century A.D.	1. Students will be able to identify the specific temple sculptures mentioned and discuss their historical context. 2. They will gain knowledge of the artistic traditions of the Chandela, Ganga, and Solanki dynasties. 3. They will be able to describe the materials and techniques used in the creation of these sculptures. 4. Development of ability to interpret the symbolic meanings behind the figures, such as the symbolism of Lakshmi Narayana, the Cymbal Player and the mother and Child.		
November	Week-2 (10 to 15)	Unit 2: Practical Painting Composition 1. Painting Composition Imaginative painting based on subjects from Life and Nature in water and poster colors with color values. 2. Composition on daily life - Drawings of human and animal figures, perspective learning and color application.	1. Students will produce imaginative paintings inspired by subjects from Life and Nature, showcasing creativity and originality. 2. Students will grasp the fundamentals of perspective drawing, applying them to create realistic and dynamic compositions. 3. Students will employ various color application techniques to evoke specific emotions and atmospheres in their paintings.		

Month	Weeks & Dates	Chapter Name & No./ Topic	Learning Outcomes	Detail of Practical/ Activity with Date	Name of Event with Date
November	Week-3 (17 to 22)	Unit 2: Practical Painting Composition 1. Painting Composition Imaginative painting based on subjects from Life and Nature in water and poster colors with color values. 2. Composition on daily life - Drawings of human and animal figures, perspective learning and color application.	1. Students will produce imaginative paintings inspired by subjects from Life and Nature, showcasing creativity and originality. 2. Students will grasp the fundamentals of perspective drawing, applying them to create realistic and dynamic compositions. 3. Students will employ various color application techniques to evoke specific emotions and atmospheres in their paintings.		
November	Week-5 (24 to 29)	Bronzes: 1. Introduction to Indian Bronzes.	1. Recognize the distinctive features and methods of Indian bronze sculptures. 2. Interpret the symbolic elements and narratives depicted in Indian bronze sculptures. 3. Demonstrate an enhanced appreciation for the artistic mastery displayed in Indian bronze artworks.		

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Month	Weeks & Dates	Chapter Name & No./ Topic	Learning Outcomes	Detail of Practical/ Activity with Date	Name of Event with Date
December	Week-1 (1 to 6)	Bronzes: 1. Method of casting (solid and hollow)	1. Students will be able to demonstrate knowledge of bronze casting by describing the process of both solid and hollow casting methods. 2. Students will be able to identify and utilize the necessary materials and tools for bronze casting. 3. Students will be capable of performing the steps involved in solid bronze casting independently.		
December	Week-2 (8 to 13)	Study and appreciation of following South Indian Bronze: 1. Nataraj (Chola period Thanjavur Dist. Tamil Nadu) 12th Century A.D (Collection: National Museum, New Delhi)	1. Students will be able to describe the cultural and historical significance of South Indian bronze sculptures. 2. Students will understand the socio-political context of the Chola period in Tamil Nadu and its impact on artistic expression. 3. Students will analyze the symbolism and iconography depicted in the Nataraj sculpture.		

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Month	Weeks & Dates	Chapter Name & No./ Topic	Learning Outcomes	Detail of Practical/ Activity with Date	Name of Event with Date
December	Week-3 (15 to 20)	Unit 3: Practical Portfolio Assessment 1. Record of the entire year's performance from sketch to finished product. 2. Five selected nature and object study exercises in any media done during the session including the minimum of two still life exercises. 3. One selected work of paintings composition done during the year. 4. Two selected works of paintings are done during the year.	1. Students will compile a portfolio documenting their progress from initial sketches to finished artwork. 2. Students will create five nature and object study exercises using a variety of media, including at least two still life exercises. 3. Students will produce one painting demonstrating effective composition techniques. 4. Students will complete two additional paintings showcasing technical skill and artistic expression.		
December	Week-4 (22 to 23)	Unit 3: Practical Portfolio Assessment 1. Record of the entire year's performance from sketch to finished product. 2. Five selected nature and object study exercises in any media done during the session including the minimum of two still life exercises. 3. One selected work of paintings composition done during the year. 4. Two selected works of paintings are done during the year.	1. Students will compile a portfolio documenting their progress from initial sketches to finished artwork. 2. Students will create five nature and object study exercises using a variety of media, including at least two still life exercises. 3. Students will produce one painting demonstrating effective composition techniques. 4. Students will complete two additional paintings showcasing technical skill and artistic expression.		

Month	Weeks & Dates	Chapter Name & No./ Topic	Learning Outcomes	Detail of Practical/ Activity with Date	Name of Event with Date
January	Week-3 (17)	Artistic aspects of the indo-Islamic architecture: 1. Introduction	<ol style="list-style-type: none"> 1. Students will be able to discuss the historical background and cultural significance of Indo-Islamic architecture. 2. Students will be able to differentiate between Indo-Islamic architectural elements with other architectural styles. 3. Students will be able to analyze specific examples of Indo-Islamic architecture, highlighting the fusion of Islamic and Indian artistic traditions. 		
January 26/01/2026 Republic Day	Week-4 (19 to 24)	Study and appreciation of following architecture: 1. Qutub Minar, Delhi 2. Gol Gumbad of Bijapur	<ol style="list-style-type: none"> 1. Students will demonstrate knowledge of the architectural styles prevalent during the construction of these monuments. 2. Students will identify the unique features of Qutub Minar and Gol Gumbad and explain their significance. 3. Students will be able to analyze the materials and techniques used in the construction of these structures. 		

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Month	Weeks & Dates	Chapter Name & No./ Topic	Learning Outcomes	Detail of Practical/ Activity with Date	Name of Event with Date
January	Week-5 (26 to 31)	Unit-1: <u>Nature and Object Study</u> 1. Study of two or three natural and geometric forms in pencil with light and shade from a fixed point of view. 2. Natural forms e.g. leave fruits etc. and Geometrical forms of objects e.g. cones, cylinder etc. should be used.	1. Students will demonstrate an understanding of light and shade by effectively applying techniques to create realistic three-dimensional representations of objects. 2. Students will develop proficiency in rendering textures, distinguishing between smooth and rough surfaces in their drawings. 3. Students will exhibit improved pencil drawing skills.		
February	Week-1 (2 to 7)	Unit-1: <u>Nature and Object Study</u> 1. Study of two or three natural and geometric forms in pencil with light and shade from a fixed point of view. 2. Natural forms e.g. leave fruits etc. and Geometrical forms of objects e.g. cone, cylinder etc. should be used.	1. Students will demonstrate an understanding of light and shade by effectively applying techniques to create realistic three-dimensional representations of objects. 2. Students will develop proficiency in rendering textures, distinguishing between smooth and rough surfaces in their drawings. 3. Students will exhibit improved pencil drawing skills.		

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Month	Weeks & Dates	Chapter Name & No./ Topic	Learning Outcomes	Detail of Practical/ Activity with Date	Name of Event with Date
February	Week-2 (9 to 14)	Unit 2: <u>Painting Composition</u> 1. Painting Composition Imaginative painting based on subjects from Life and Nature in water and poster colors with color values. 2. Composition on daily life - Drawings of human and animal figures, perspective learning and color application.	1. Students will produce imaginative paintings inspired by subjects from Life and Nature, showcasing creativity and originality. 2. Students will grasp the fundamentals of perspective drawing, applying them to create realistic and dynamic compositions. 3. Students will employ various color application techniques to evoke specific emotions and atmospheres in their paintings.		
February 16/02/2026 Mahashivratri	Week-3 (16 to 21)	Unit 3: Practical <u>Portfolio Assessment</u> 1. Record of the entire year's performance from sketch to finished product. 2. Five selected nature and object study exercises in any media done during the session including the minimum of two still life exercises. 3. One selected work of paintings composition done during the year. 4. Two selected works of paintings are done during the year.	1. Students will compile a portfolio documenting their progress from initial sketches to finished artwork. 2. Students will create five nature and object study exercises using a variety of media, including at least two still life exercises. 3. Students will produce one painting demonstrating effective composition techniques. 4. Students will complete two additional paintings showcasing technical skill and artistic expression.		

Month	Weeks & Dates	Chapter Name & No./ Topic	Learning Outcomes	Detail of Practical/ Activity with Date	Name of Event with Date
February	Week-4 (23 to 28)	Revision for Annual Examination			
March 03/03/2026 Holika Dahan 04/03/2026 Holi	Week-1 (2 to 7)	Revision for Annual Examination			
March	Week-2 (8 to 14)	Annual Examination			
March	Week-3 (16 to 21)				
March	Week-4 (23 to 28)				
March	Week-5 (30 to 31)				

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BIRLA PUBLIC SCHOOL GANGANAGAR

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CBSE Affiliation No. 1730974

Weekly & Monthly Planner

Session: 2025-26

Class: XI

Subject: Artificial Intelligence

Book Name: AI (KIPS)

Teacher's Name: Mr. Bharat

Month	Weeks & Dates	Chapter Name & No./ Topic	Learning Outcomes	Detail of Practical / Activity with Date	Name of Event with Date
April 06/04/2025 Ram Navami	Week-1 (1 to 5)	Computer Systems & Organisation Hardware, Software, I/O, Memory	Identifies components of a computer. Explains memory hierarchy.	Lab demo of hardware components	
April	Week-2 (7 to 12)	Chapter: Number Systems Topics: Binary, Octal, Hexadecimal, Conversion	Converts numbers across bases	Worksheet on number conversions	
April 14/04/2025 Ambedkar Jayanti	Week-3 (14 to 19)	Chapter: Boolean Logic Topics: Logic gates, truth tables, laws, Karnaugh maps	Draws logic gate circuits. Designs simplified expressions	Digital circuit simulation (TinkerCAD)	
April	Week-4 (21 to 26)	Chapter: Emerging Trends Topics: IoT, AI, Big Data, Cloud	Explains applications of emerging technologies	Video-based reflection	
April	Week-5 (28 to 30)	Revision of Unit 1		MCQ Worksheet	

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May	Week-1 (1 to 2)	Chapter: Python Basics Topics: Syntax, Variables, Data types	Writes simple Python code	Lab: Basic programs	
May 07/06/2025 Eid-ul-Juha (Bakrid)	Week-2 (5 to 10)	Chapter: Operators, Expressions	Uses arithmetic, relational, logical operators	Menu-driven calculator	
May	Week-3 (12 to 14)	Chapter: Control Flow	if, elif, loops	Lab: Pattern printing & decision programs	
July	Week-1 (2 to 4)	Chapter: Strings	Manipulates strings using functions	String operations lab	
July	Week-2 (7 to 12)	Chapter: Lists	Uses list methods and slicing	Program on list operations	
July	Week-3 (14 to 19)	Chapter: Tuples	Differentiates lists and tuples	Tuple handling program	
July	Week-4 (21 to 26)	Chapter: Dictionaries	Uses key-value operations	Student record dictionary program	
July	Week -5 (28 to 31)	Revision of Python Basics			
August	Week-1 (1 to 2)	Chapter: Functions	Defines & calls user-defined functions	Calculator using functions	
August 09/08/2025 Raksha Bandhan	Week-2 (4 to 9)	Chapter: Modules & Import	Uses math, random modules	Random password generator	
August 15/08/2025 Independence Day 16/08/2025 Janmashami	Week-3 (11 to 16)	Chapter: File Handling		Read/Write text files	

August	Week-4 (18 to 23)	Chapter: Database Management (Intro)	Defines DBMS, RDBMS, tables	Table creation		
August	Week -5 (25 to 30)	Chapter: SQL Basics	DDL, DML, Simple Queries	SELECT, INSERT, UPDATE queries		
September	Week-1 (1 to 6)	Revision Units 1-4	Recalls concepts	MCQs + Skill-based questions		
September	Week-2 (8 to 13)	Sample Paper Practice	Solves sample	Worksheet		
September	Week-3 (15 to 20)	Mid Term Examination				
September	Week-4 (22 to 27)					
September	Week -5 (29 to 30)					
October 02/10/2024 Gandhi Jayanti Dussehra	Week-1 (1 to 4)	Chapter: Cyber Safety	Identifies digital risks			
October	Week-2 (6 to 11)	Python Project Work (Start)		Project proposal + coding plan		
October	Week-3 (13 to 17)	Project Development - Phase 2				
October	Week-5 (27 to 31)	Project Completion + Viva				
November 05/11/2025 Guru Nanak Jayanti	Week-1 (3 to 8)	CS Theory Revision - Unit 1 & 2				
November	Week-2 (10 to 15)	CS Practical File Completion				

November	Week-3 (17 to 22)	Sample Paper – Set 1	Practices papers	Practices papers	
November	Week-5 (24 to 29)	Sample Paper – Set 2	Practices papers	Practices papers	
December	Week-1 (1 to 6)	Pre-Board Revision	Practices papers	Revision	
December	Week-2 (8 to 13)	PT – II EXAM			
December	Week-3,4 (15 to 20)				
January	Week-3 (17)	Project Presentation	Presents project confidently. Answers viva questions	Prepare PPT (10 slides). Prepare AI Portfolio.	
January 26/01/2026 Republic Day	Week-4 (19 to 24)	Revision & Problem-Solving Sessions: Mock test with past CBSE papers	Practices papers	Revision	
January	Week-5 (26 to 31)	Revision & Problem-Solving Sessions: Mock test with past CBSE papers	Practices papers	Revision	
February	Week-1 (2 to 7)	Revision & Problem-Solving Sessions: Mock test with past CBSE papers	Practices papers	Revision	
February	Week-2 (9 to 14)	Revision & Problem-Solving Sessions: Mock test with past CBSE papers	Practices papers	Revision	
February 16/02/2026 Mahashivratri	Week-3 (16 to 21)	Revision & Problem-Solving Sessions: Mock test with past CBSE papers	Practices papers	Revision	

February	Week-4 (23 to 28)	Revision & Problem-Solving Sessions: Mock test with past CBSE papers	Practices papers	Revision	
March 03/03/2026 Holika Dahan 04/03/2026 Holi	Week-1 (2 to 7)	Revision & Problem-Solving Sessions: Mock test with past CBSE papers	Practices papers	Revision	
March	Week-2,3,4,5 (8 to 14)	Annual Examination			

ESTD. 2019