



**RUBY PARK
PUBLIC SCHOOL**

Class Syllabus





English

MONTH	LITERATURE READER	WRITING	GRAMMAR	MAIN COURSE
APRIL	Two Gentlemen of Verona Mrs. Packletide's Tiger The Frog and the Nightingale The Letter	Email Writing	Tenses	Health and Medicine
MAY	Not Marble, nor the Gilded Monuments A Shady Plot	Formal Letter	Modals	Education
JUNE	PERIODIC TEST -1			
JUNE	A Shady Plot(contd.) Ozymandias Patol Babu, Film Star	Formal Letter (contd.)	Subject Verb Concord	Science
JULY	The Dear Departed	Factual Description	Reported speech	
AUGUST	Virtually True	Magazine Article	Reported speech contd.	Travel and Tourism
	REVISION FOR PERIODIC TEST-2			
AUGUST SEPTEMBER	PERIODIC TEST-2			
SEPTEMBER	The Rime of the Ancient Mariner - Part 1 The Rime of the Ancient Mariner - Part 2 Snake	Magazine Article contd.	Clauses	National Integration
OCTOBER	Julius Caesar	Revision	Determiners	Revision

NOVEMBER	Julius Caesar (contd.)	Revision	Revision	Revision
	Board Syllabus completion			
DECEMBER	PRE BOARDS & REVISION			
JANUARY	PRACTICE TEST			



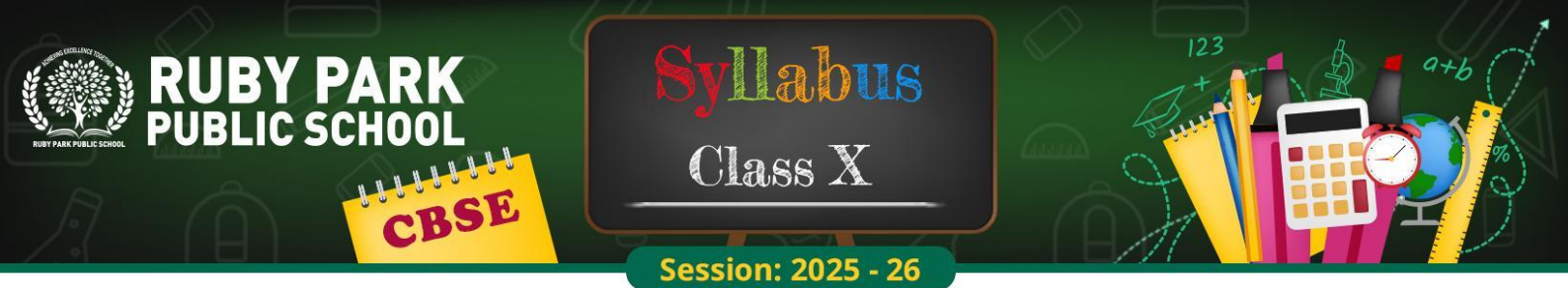
MONTH	UNIT	TOPIC	SUB TOPIC
APRIL	1	Real Numbers	Fundamental Theorem of Arithmetic, Proof of irrationality
	2	Polynomials	Zeros of a Polynomial, Relationship between Zeros and coefficients of quadratic polynomial
	8	Trigonometry	Introduction to Trigonometry, Trigonometric Ratios. Some Specific Angles Trigonometrical Identities.
MAY	9	Heights and Distances	Concept of Angle of Elevation, Angle of Depression, Heights and Distances
JUNE	PT-1 EXAMINATION		
	3	Pair Of Linear Equation In Two Variables	Graphical Method, Solution of a pair of Linear equations, consistency/inconsistency. Algebraic Methods (Substitution Method, Elimination Method) Simple situational problems
	4	Quadratic Equation	Standard form of quadratic equation. Solution of a quadratic Equations (only real roots) by Factorisation and by using quadratic formula. Relationship between discriminant and nature of roots. Situational problems based on quadratic equations related to day to day activities to be incorporated
JULY	6	Triangles	Similar Figures, Basic Proportionality Theorem, Similarity of Triangles and its criteria
	13	Statistics	Calculation of Mean, Median and Mode for grouped frequency distribution
	14	Probability	Probability - A theoretical Approach
AUGUST	PT-2 EXAMINATION		
SEPTEMBER	5	Arithmetic Progression	Identification of a series as AP, nth term of an AP., Sum of first 'n' terms of an AP and their application in solving daily life problem.
	7	Coordinate Geometry	Concepts of coordinate geometry, graphs of linear equations, Distance Formula. Section Formula (internal division)
OCTOBER	11	Area Related to Circles	Area of sectors and segments of a circle. Problem based on areas and perimeter/circumference of the above said plane figures (in calculating area of a



			segment of a circle, problem should be restricted to central angle of 60° , 90° and 120°)
	10	Circles	Theorems based on Tangent properties of a circle.
		PT-3 EXAMINATION	
NOVEMBER	12	Surface Area & Volumes	Surface area and volumes of combination of figures cube, cuboid, right circular cylinder, cones, sphere and hemisphere
DECEMBER	PRE BOARD		
	REVISION		
JANUARY	PRACTICE TEST		



MONTH	UNIT	TOPIC	SUB-TOPIC	PRACTICALS
APRIL	1	Light	Reflection of light at curved surface; terms related to spherical mirrors; Images formed by spherical mirrors Mirror formula (derivation not required); Magnification; Numerical based on the above topics; Application of mirrors. Laws of refraction; Refractive index	To determine the focal length of a concave mirror, by obtaining the image of a distant object;
			Applications of refraction; refraction of light by spherical lenses; Lens formula(derivation not required);Magnification;	To determine the focal length of a convex lens, by obtaining the image of a distant object.
MAY	1	Light	Power of a lens; Numerical of lens formula and magnification; Application of lenses.	To trace the path of a ray of light through a rectangular glass slab for different angles of incidences; Measure the angle of incidence, angle of refraction, angle of emergence and interpret the results;
PERIODIC TEST-I				
JUNE	2	Human Eye and colourful world	Structure of human eye, Functioning of a lens in human eye, defects of vision and their remedies, Dispersion of light by glass prism; Rainbow formation;	
JULY	2	Electricity	Atmospheric refraction, twinkling of stars. Tyndall effect; Application of scattering (excluding colour of the sun at sunrise and sunset)	To trace the path of a light ray through a glass prism



PERIODIC TEST-II				
AUGUST	3	Electricity	Resistance, factors on which resistance depends	To study the dependence of Potential difference (V) across a resistor on the current (I) passing through it and determine its resistance. Also plot a graph between V &I.
SEPTEMBER	3	Electricity	Series and Parallel combination of resistors; Numerical based on resistors and combination of resistors. Heating effect of electric current; Electric power; Inter-relation between P, V, I and R. Numerical based on the topic.	To determine the equivalent resistance of two resistors when connected in series; To determine the equivalent resistance of two resistors when connected in parallel.
OCTOBER	4	Magnetic Effects of Electric Current	Magnetic field lines; Oersted’s experiment. Magnetic field due to current carrying wire, Coil and Solenoid; Force on current carrying conductor.	
PERIODIC TEST-III				
NOVEMBER	4	Magnetic Effects of Electric Current	Fleming’s Left hand rule; Alternating Current, Direct Current Domestic wiring system, Importance of fuse, Earthing, Overload, Short-circuit	
NOVEMBER	REVISION			
PRE-BOARD EXAMINATION				



DECEMBER	REVISION
JANUARY	PRACTICE TEST

*Syllabus as prescribed by CBSE.



Science (Chemistry)

MONTH	UNIT	TOPIC	SUB TOPIC	PRACTICAL EXPERIMENT
APRIL	I	Chemical Reactions and Equations	Chemical reaction - definition, characteristics of chemical reaction with examples. Writing a chemical equation, skeletal equation, balanced chemical equation, balancing of chemical equations.	To perform and observe different types of chemical reactions.
MAY	I	Chemical Reactions and Equations	Types of chemical reactions - combination, exothermic and endothermic reactions, decomposition, displacement, double displacement, oxidation and reduction. Corrosion, rancidity.	
JUNE	PERIODIC TEST-I			
	2	Acids, Bases and Salts	Introduction to acids, bases, indicators. Understanding the chemical properties of acids and bases. Understanding the chemical properties of acids and bases (continued). What do all acids and all bases have in common? Dilution of acids and bases. Strength of acids and basic solutions.	To study the properties of acids and bases.
JULY	2	Acids, Bases and Salts	Importance of pH in everyday life. Salts - family of salts, pH of salts, chemicals from common salt, chlor-alkali process, bleaching powder, baking soda, washing soda, water of crystallization in salts, Plaster of Paris.	To find the pH of sample solutions by using pH paper/ universal indicator.
	3	Metals and Non-metals	Introduction, physical properties of metals and non-metals. Chemical properties of metals (reactions), the reactivity series. How do metals and non-metals react? Properties of ionic compounds.	To study the reactivity of metals using the metals and their salt solutions.
AUGUST	3	Metals and Non-metals	Occurrence of metals, extraction of metals, refining of metals. Corrosion of metals and its prevention, alloys.	
	REVISION OF PERIODIC TEST-II			
	PERIODIC TEST-II			
SEPTEMBER				



SEPTEMBER	4	Carbon and its Compounds	Importance of carbon, catenation, bonding in carbon - the covalent bond, versatile nature of carbon. Saturated and unsaturated carbon compounds. Saturated and unsaturated carbon compounds (continued), chains, branches and rings present in carbon compounds. Homologous series, functional groups.	
OCTOBER	4	Carbon and its Compounds	Hydrocarbons, isomerism. Nomenclature of carbon compounds. Chemical properties of carbon compound (reactions). Some important carbon compounds - Ethanol and Ethanoic acid. Soaps and detergents.	To study the properties of acetic acid.
				To study the comparative cleaning capacity of a sample of soap in soft and hard water.
NOVEMBER	PERIODIC TEST-III			
	REVISION			
DECEMBER	PRE-BOARD & REVISION			
JANUARY	PRACTICE TEST			



MONTH	TOPIC	SUBTOPIC
APRIL	LIFE PROCESSES	What are Life Processes Autotrophic Nutrition Heterotrophic Nutrition Practical- To prepare a temporary mount of a leaf peel to show stomata.
MAY		Respiration Transportation Excretion
JUNE	CONTROL AND COORDINATION	PT 1 EXAMINATION Animals- Nervous System Coordination in plants Hormones in animals
JULY		Practical- To show experimentally that CO ₂ is given out during respiration (animals and plants)
AUGUST	HOW DO ORGANISMS REPRODUCE?	Do organisms create exact copies of themselves? Modes of reproduction used by Unicellular Organisms Practical- Studying Budding in Yeast and Binary fission in Amoeba from prepared slides.
SEPTEMBER	PT- 2 EXAMINATION	
	HOW DO ORGANISMS REPRODUCE?	Sexual Reproduction in Plants and Human Beings Reproductive Health Practical- To identify the different parts of an embryo of a dicot seed.
	HEREDITY	Accumulation of Variation during reproduction. Heredity- Monohybrid and Dihybrid Crosses Sex Determination
OCTOBER	OUR ENVIRONMENT	Ecosystem- What are its components How do our activities affect the environment
NOVEMBER	PT-3 EXAMINATION	
	Board Syllabus Completion and Revision	
DECEMBER	PRE BOARD	
	REVISION	
JANUARY	PRACTICE TEST	



Social Science (History & Political Science)

MONTH	UNITS	TOPICS	SUB TOPICS
APRIL	1	Power Sharing	Case Studies of Belgium and Sri Lanka
			Why Power Sharing is Desirable?
			Forms of Power Sharing
APRIL	2	Federalism	What is Federalism?
			What makes India a Federal Country?
			How is Federalism practiced?
			Decentralisation in India
MAY	3	The Rise of Nationalism in Europe	The French Revolution and the Idea of Nation
			The Making of Nationalism in Europe
PERIODIC TEST I (JUNE)			
JUNE	3	The Rise of Nationalism in Europe	The Age of Revolutions: 1830-1848
			The Making of Germany and Italy
			Visualizing the Nation
			Nationalism and Imperialism
JUNE & JULY	4	Nationalism in India	The First World War, Khilafat and Non-Cooperation
			Differing Strands within the Movement
			Towards Civil Disobedience
			The Sense of Collective Belonging
JULY	5	Political Parties	Why do we need Political Parties?
			How many Parties should we have?
			National Political Parties
			State Parties
			Challenges to Political Parties
			How can Parties be reformed?
AUGUST	6	The Making of a Global World	The Pre Modern World to Conquest, disease and trade (to be evaluated in the Board Exam)



			** Rest of the subunits given below will be assessed through an interdisciplinary project The nineteenth Century (1815-1914) to end of Bretton woods to the beginning of “Globalisation”
PERIODIC TEST 2 (SEPTEMBER)			
SEPTEMBER	7	The Age of Industrialisation	Before the Industrial Revolution
			Hand labour and Steam power
			Industrialisation in the colonies
			Factories Come up
			The Peculiarities of Industrial growth
			Market for goods
SEPTEMBER	8	Gender, Religion and Caste	Gender and Politics
			Religion, Communalism and Politics
			Caste and Politics
OCTOBER	9	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 Reforms and Public Debates
			New forms of Publication
			Print and Censorship
NOVEMBER	10	Outcomes of Democracy	How do we assess democracy's outcome?
			Accountable, responsive and legitimate
			government
			Economic Growth and Development
			Reduction of Inequality and Poverty
PERIODIC TEST 3 (NOVEMBER)			
DECEMBER	PRE-BOARD EXAMINATION		
JANUARY	PRACTICE TEST		
Syllabus for CBSE Board Examination: Entire syllabus as prescribed by CBSE			



Social Science (Geography)

MONTH	UNIT	TOPICS / CHAPTERS	SUB TOPICS
APRIL	1	Resource and development	<ul style="list-style-type: none"> • Concept <ul style="list-style-type: none"> • Development of Resources • Resource Planning Resource Planning in India, Conservation of Resources • Land Resources • Land Utilization • Land Use Pattern in India • Land Degradation and Conservation Measures • Soil as a Resource - Classification of Soils, Soil Erosion and Soil Conservation
MAY	2	Forest resources	<ul style="list-style-type: none"> • Conservation of forest and wildlife in India • Types and distribution of forests and wildlife resources • Community and Conservation
JUNE	PT 1 EXAMINATION		
JUNE	3	Water resources	<ul style="list-style-type: none"> • Water Scarcity and The Need for Water Conservation and Management • Multi-Purpose River Projects and Integrated Water Resources Management • Rainwater Harvesting
JULY	4	Agriculture	<ul style="list-style-type: none"> • Types of Farming - Primitive Subsistence, Intensive Subsistence, Commercial • Cropping Pattern - Major Crops, Food Crops other than Grains, Non-Food Crops • Technological and Institutional Reforms



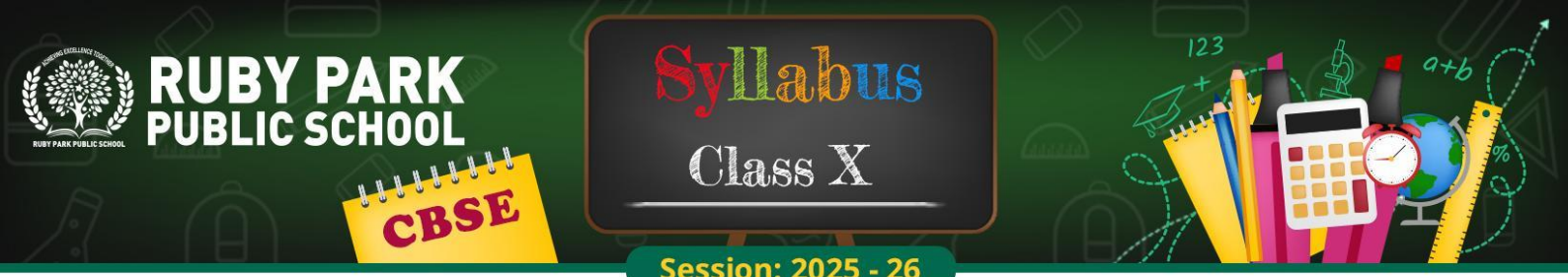
JULY	5	Minerals and Energy resources	<ul style="list-style-type: none"> • What is a mineral? • Mode of occurrence of Minerals-Where are these minerals found? • Ferrous Minerals, Non-Ferrous Minerals, Non- Metallic Minerals, Rock Minerals • Conservation of Minerals • Energy Resources – Conventional Sources of Energy, Non-Conventional Sources of Energy • Conservation of Energy Resources
AUGUST	6	Manufacturing industries	<ul style="list-style-type: none"> • Importance of Manufacturing - Industrial Location • Classification of Industries.
AUGUST	REVISION FOR PT-2 EXAMINATION		
AUGUST-SEPTEMBER	PT 2 EXAMINATION		
SEPTEMBER – OCTOBER	6	Manufacturing industries	<ul style="list-style-type: none"> • Industrial pollution and environmental degradation. • Control of Environmental Degradation
NOVEMBER	7	Lifelines of national economy	<p>Only map pointing to be evaluated in board examination</p> <p>Inter disciplinary project (internal assessment)</p>
NOVEMBER	PT 3 EXAMINATION		
DECEMBER	PRE-BOARD		
JANUARY	PRACTICE TEST		



MONTH	UNIT	TOPICS	SUB TOPICS
APRIL	1	Development	<ul style="list-style-type: none">• What Development Promises - Different people different goals• Income and other goals• National Development• How to compare different countries or states?
MAY	1	Development	<ul style="list-style-type: none">• Income and other criteria• Public Facilities• Sustainability of development
JUNE	PT 1 EXAMINATION		
JUNE	2	Sectors of indian economy	<ul style="list-style-type: none">• Sectors of Economic Activities• Comparing the three sectors• Primary, Secondary and Tertiary Sectors in India
JULY	2	Sectors of indian economy	<ul style="list-style-type: none">• Division of sectors as organized and unorganized.Sectors in terms of ownership: Public and Private Sectors
AUGUST	3	Money and credit	<ul style="list-style-type: none">• 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.
	4	Consumer rights	<ul style="list-style-type: none">• Self Help Groups for the Poor Gets familiarized with the rights and duties as a consumer; and legal measures available to protect from being exploited in

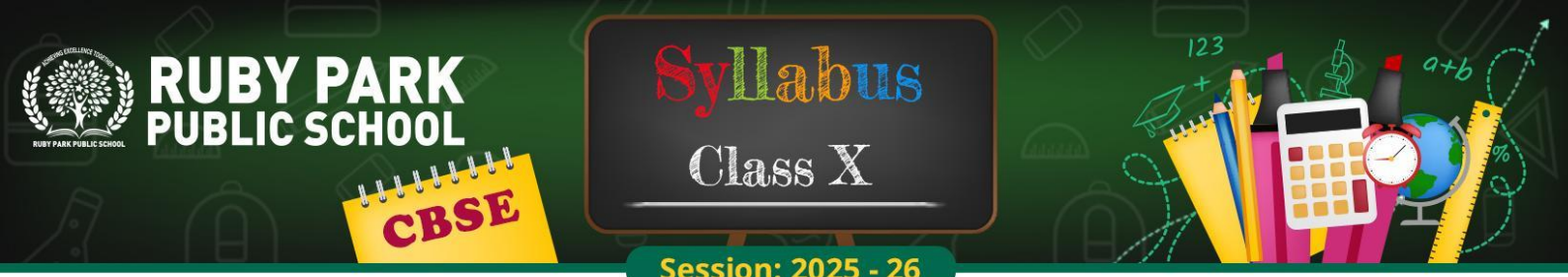


		Note: the chapter 'consumer rights' to be done as project work.	markets. Every student has to compulsorily undertake the project on Consumer Rights/Awareness
AUGUST	REVISION FOR PT 2 EXAMINATION		
AUGUST - SEPTEMBER	PT 2 EXAMINATION		
SEPTEMBER - OCTOBER	5	GLOBALISATION AND THE INDIAN ECONOMY	<ul style="list-style-type: none">• What is globalization?• Factors that have enabled Globalisation.• TO BE EVALUATED IN THE BOARD EXAMINATION FOR INTER-DISCIPLINARY PROJECT• Production across the countries• Chinese toys in India• World Trade Organisation• The Struggle for a Fair Globalisation
NOVEMBER	PT 3 EXAMINATION		
DECEMBER	PRE-BOARD		
JANUARY	PRACTICE TEST		



2nd Language (Hindi)

MONTH	LANGUAGE	LITERATURE
APRIL	अपठित गद्यांश, अनुच्छेद लेखन, समास, वाक्य रूपांतरण, मुहावरे	बड़े भाई साहब, साखी-कबीर
MAY	सूचना लेखन	पद-मीरा
JUNE	PT- 1 EXAMINATION	
JUNE	पदबंध, औपचारिक पत्र	ततार्रा वामीरो कथा, हरिहर काका, पर्वत प्रदेश में पावस, तोप
JULY	ई मेल, लघु कथा	अब कहाँ दूसरे के दुःख से दुखी होने वाले, मनुष्यता, पतझड़ में टूटी पत्तियाँ, कर चले हम फ़िदा
AUGUST	विज्ञापन लेखन	सपनों के से दिन
	PT- 2 EXAMINATION	
SEPTEMBER	लघु कथा लेखन, पदबंध, मुहावरे, समास (पुनरावृत्ति)	कारतूस, टोपी शुक्ला, डायरी का एक पन्ना
OCTOBER	सूचना लेखन, विज्ञापन लेखन, वाक्य-रूपांतरण (पुनरावृत्ति)	तीसरी कसम के शिल्पकार शैलेन्द्र, आत्मत्राण
NOVEMBER	PT- 3 EXAMINATION	
DECEMBER	PRE BOARD	
DECEMBER	REVISION	
JANUARY	PRACTICE TEST	



2nd Language (Bengali)

MONTH	LANGUAGE	LITERATURE
APRIL	ব্যাকরণ – ব্যঞ্জনসন্ধি বিসর্গসন্ধি নির্মিতি – বোধপরীক্ষণ	জ্ঞানচক্ষু(গদ্য)
MAY	নির্মিতি – অনুচ্ছেদ রচনা	অস্ত্রের বিরুদ্ধে গান (কবিতা)
JUNE	PERIODIC TEST – 1	
JUNE	ব্যাকরণ – বিসর্গসন্ধি	আয় আরো বেঁধে বেঁধে থাকি (কবিতা) গল্পগুচ্ছ – পোস্টমাস্টার
JULY	ব্যাকরণ – সমাস (দ্বন্দ্ব , অব্যয়ীভাব , কর্মধারয়) নির্মিতি – সম্পাদকীয় পত্র	বহুরূপী (গদ্য) একাকারে (কবিতা) গল্পগুচ্ছ – কাবুলিওয়ালা
AUGUST	Syllabus Continuation	
	REVISION FOR PERIODIC TEST - 2	
AUGUST	PERIODIC TEST - 2	
SEPTEMBER	ব্যাকরণ – সমাস (পুনরালোচনা)	অদল বদল (গদ্য) তিন পাহাড়ের কোলে (পদ্য)
OCTOBER	ব্যাকরণ – ব্যঞ্জনসন্ধি বিসর্গসন্ধি সাধু চলিত ভাষা	আলোবাবু (গদ্য)
NOVEMBER	ব্যাকরণ – বাক্য পরিবর্তন	দান প্রতিদান



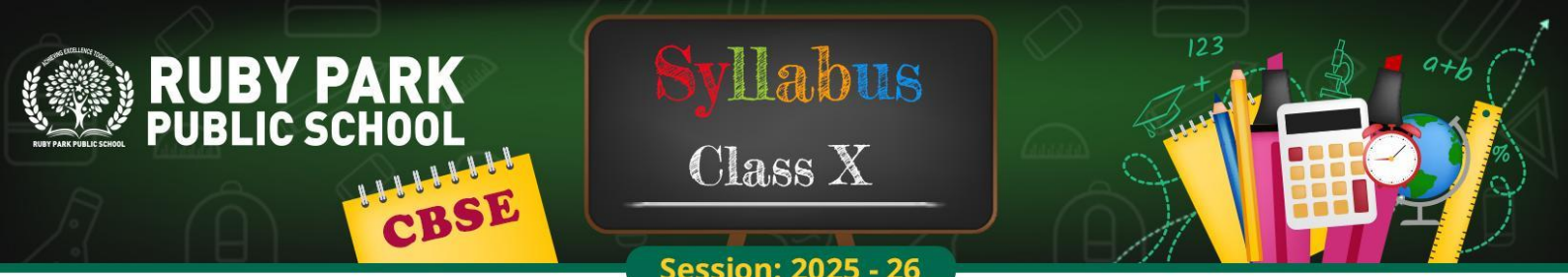
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Session: 2025 - 26



	PERIODIC TEST - 3
	Board syllabus completion & revision
DECEMBER	REVISION & PRE BOARD
JANUARY	PRACTICE TEST



Computer

MONTH	UNIT	TOPIC	SUB- TOPIC
APRIL	1	Introduction to internet	<ul style="list-style-type: none"> Basics of Internet Internet Terminologies Internet Protocols Internet Services
	2	Introduction to html	<ul style="list-style-type: none"> Fundamentals of HTML Creating a Web Page
	2	Setting the page appearance	<ul style="list-style-type: none"> Setting the Page Properties Organising Text on a Web Page
	2	Formatting text	<ul style="list-style-type: none"> Inserting Paragraphs and Changing Fonts Emphasizing Text/ Applying Text Style
MAY	2	Creating lists	<ul style="list-style-type: none"> Creating an Unordered List Creating an Ordered List Creating a Nested List Creating a Definition List
JUNE	PERIODIC TEST 1		
	2	Navigating Through Web Pages	<ul style="list-style-type: none"> Linking Web Pages Linking Sections of a Web Page
	2	Adding Images, Table, Audio And Video	<ul style="list-style-type: none"> Adding Images in a Web Page Making Images as Hyperlinks Adding Tables in a Web Page Merging Table Cells Enhancing the Appearance of a Table Embed Audio and Video in an HTML Page.



JULY	2	Creating A Form	<ul style="list-style-type: none"> • Creating the Structure of a Form • Adding Data Input Elements • Adding Data Selection Elements • Adding Buttons
	2	Cascading Style Sheets	<ul style="list-style-type: none"> • Cascading Style Sheets and its Advantages • Types of CSS • Format of Internal CSS Style Rule • Color and Background Properties in CSS • Border, Margin, Padding, Outline, Font, Text Properties and Content Alignment in CSS • Constraints in CSS
AUGUST	3	CYBER ETHICS	<ul style="list-style-type: none"> • Netiquette • Software Licenses and Open-Source Software Movement • Plagiarism • Intellectual Property Rights • Digital Property Rights • Freedom of Information and the Digital Divide • E- Commerce : Privacy, Fraud , Secure Data Transmission
	REVISION FOR PERIODIC TEST 2		
AUGUST - SEPTEMBER	PERIODIC TEST 2		
SEPTEMBER	4	Fun With Scratch	<ul style="list-style-type: none"> • Basics of Scratch • Understanding Control Blocks • Creating Games, Animated Images, Stories and Songs



OCTOBER	---	Introduction To Python (Special Coverage Python Module -1)	<ul style="list-style-type: none"> Data types in Python Using Variables in Python Lists in Python
PERIODIC TEST 3			
NOVEMBER	---	Strings In Python (Special Coverage Python Module -2)	<ul style="list-style-type: none"> Working with Strings Converting a String
	5	Programming With Python (Python Module -2)	<ul style="list-style-type: none"> Python data types and variables Conditionals: if, if- else and elif Statements
DECEMBER	5	Programming With Python	<ul style="list-style-type: none"> Nested Conditional Construct Loops in Python: for and while
JANUARY	1	Artificial Intelligence – Excite	<ul style="list-style-type: none"> Introduction to AI Human and Machine Interactions: AI based Games (based on different AI domains) Three Domains of AI
	2	Artificial Intelligence – Relate	<ul style="list-style-type: none"> Applications of AI in daily lives Smart Homes and Human – Machine Interactions
FEBRUARY	REVISION FOR ANNUAL EXAMINATION		
	ANNUAL EXAMINATION		



Artificial Intelligence

MONTH	CHAPTER	CORE CONCEPTS
APRIL	REVISITING AI PROJECT CYCLE & ETHICAL FRAMEWORKS FOR AI	<ul style="list-style-type: none"> ➤ Revisiting AI Project Cycle ➤ The three domains of AI and their applications ➤ Frameworks, Ethical Framework and need of Ethical Frameworks for AI ➤ Types of Ethical Frameworks ➤ Bioethics and a case study in bioethics
		<p style="text-align: center;">Communication Skills – II</p> <p style="text-align: center;">Self - management Skills - II</p>
MAY	ADVANCED CONCEPTS OF MODELING IN AI	<ul style="list-style-type: none"> ➤ Differentiate between AI, ML, and DL ➤ Common terminologies used with data ➤ Types of AI Models: Rule Based Approach, Learning Based Approach ➤ Categories of Machine learning based models: (Supervised Learning, Unsupervised Learning, Reinforcement Learning) ➤ Subcategories of Supervised Learning Model: Classification Model, Regression Model ➤ Subcategories of Unsupervised Learning Model: Clustering, Association ➤ Subcategories of Deep Learning: Artificial Neural networks (ANN), Convolutional Neural Network (CNN) ➤ What is Neural Network? ➤ How does AI make a Decision?
JUNE		PERIODIC TEST 1
JUNE	EVALUATING MODELS	<ul style="list-style-type: none"> ➤ What is evaluation? ➤ Need of model evaluation ➤ Train-test split ➤ Accuracy ➤ Error ➤ What is Classification?



		<ul style="list-style-type: none"> ➤ Classification metrics ➤ Bias, Transparency, Accuracy
	Information and Communication Technology Skills – II	
JULY	Entrepreneurial Skills – II	
	NATURAL LANGUAGE PROCESSING	<ul style="list-style-type: none"> ➤ Features of natural languages ➤ Introduction to Natural Language Processing ➤ Various real-life applications of NLP ➤ Explore the various stages of NLP that involve in understanding and processing human language ➤ Script Bot V/s Smart Bot ➤ Text Processing ➤ Examples of Code and No-code NLP Tools ➤ Applications of NLP- Introduction to Sentiment Analysis
AUGUST	REVISION	
AUGUST-SEPTEMBER	PERIODIC TEST 2	
SEPTEMBER	COMPUTER VISION	<ul style="list-style-type: none"> ➤ Introduction to Computer Vision ➤ Applications of CV ➤ Understanding CV Concepts (Computer Vision Tasks, Basics of Images-Pixel, Resolution, Pixel value, Grayscale and RGB images) ➤ Understanding Convolution operator ➤ Convolution Operator ➤ Introduction to CNN ➤ Understanding CNN (Kernel, Layers of CNN)
OCTOBER	PYTHON	<ul style="list-style-type: none"> ➤ Introduction to Python language ➤ Variables, Arithmetic Operators, Expressions, Data Types - integer, float, strings, using print() and input() functions ➤ Simple problem-solving exercises on Python Compiler. ➤ Conditional Statements (if – else) ➤ Python Lists ➤ Simple operations using list
	Green Skills - II	



NOVEMBER	STATISTICAL DATA	<ul style="list-style-type: none">➤ No code AI tool➤ Important concepts in Statistics➤ Orange data mining➤ AI project cycle in Orange data mining (Palmer penguins case study)
NOVEMBER	PERIODIC TEST 3	
DECEMBER	REVISION & PREBOARD	
JANUARY	PRACTICE TEST	