



RUBY PARK PUBLIC SCHOOL



Syllabus

Class IX



MONTH	READING	LANGUAGE		LITERATURE
	MAIN COURSE BOOK	WRITING	GRAMMAR	LITERATURE READER
APRIL	An Exemplary Leader(Unit1)	Speech	Verb Forms Non - Finite Verb Forms (Relevant exercises from Work Book)	How I Taught My Grandmother to Read (P)
	Continued			Continued
	A Burglary Attempt (Unit 1)	Speech (contd.)		A Dog Named Duke (P)
MAY	Can You Know People You Haven't Met	Diary Entry	Modals (Relevant exercises from Work Book)	Continued
JUNE	PERIODIC TEST - 1			
JUNE	The Final Fight (Unit 2), The Sound Of Shell (Unit 2)	Diary Entry (contd) Informal Letter (Revision) Formal Letter (Editor)	Tenses (Relevant exercises from Work Book) Sentences (Kinds) Transformation Comparison Nominalisation	The Road Not Taken(v) The Brook (v)
JULY	Ordeal In The Ocean(Unit 2),	Notice writing Dialogue	Determiners (Relevant exercises	The Man Who Knew Too Much



	The Indian Rhinoceros (Unit 3)	Writing	from Work Book) Reported Speech (Relevant exercises from Work Book)	(P)
		Descriptive Paragraph (Event)	Reported Speech (contd) Integrated Grammar-Editing Omission Sentence Reordering Subject Verb Concord (Relevant exercises from Work Book)	The Solitary Reaper (V)
AUGUST	Save Mother Earth (Unit 3) Save the Tiger (Unit 3)	Descriptive Paragraph (Person)	Subject Verb Concord (Relevant exercises from Work Book) (contd.) Connectors, Pronouns (Relevant exercises from Work Book)	Villa For Sale (Play)
		Process writing	Passive Voice (Relevant exercises from Work Book)	Villa For Sale (Play) (contd.)
AUGUST	Revision for Periodic Test 2			
AUGUST-SEPTEMBER	PERIODIC TEST 2			



SEPTEMBER	Radio Show (Unit4),	Bio Sketch	Passive Voice	Best Seller (P)
	Video Show (Unit 4)			
OCTOBER	Bermuda Triangle (Unit 5), The Invisible Man (Unit5)	Magazine Article	Preposition (Relevant exercises from Work Book)	Keeping It From Harold (P)
NOVEMBER	The Tragedy of Bristone (Unit 5)	E-mail	Integrated Grammar	
	Harry Potter (Unit 5)	Newspaper report writing	Phrases-Clauses	The Seven Ages (V)
NOVEMBER -DECEMBER	PERIODIC TEST - 3			
DECEMBER	Tom Sawyer, Children of India, Children and Computers (Unit 6)	Descriptive Paragraph (Place)	Phrases-Clauses	Oh, I Wish I'd Looked After Me Teeth (V)
				Song Of The Rain (V)
JANUARY	Unit 6 - continued, Sports And Games (Unit 7)	(Revision)	Sample Papers	The Bishop's Candlesticks (Play)
	Revision			
FEBRUARY	ANNUAL EXAMINATION			
SYLLABUS FOR ANNUAL EXAMINATION				



**RUBY PARK
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ENTIRE SYLLABUS AS PRESCRIBED BY CBSE

2ND LANGUAGE- HINDI



MONTH	LANGUAGE	LITERATURE
APRIL	अपठित गद्यांश, अनुच्छेद लेखन, संवाद लेखन, अनुस्वार, अनुनासिक	रैदास के पद
MAY	शब्द और पद	दुख का अधिकार
JUNE	PERIODIC TEST 1	
JUNE	स्वर संधि, विराम चिह्न	रहीम के दोहे, गिल्लू
JULY	अर्थ की दृष्टि से वाक्य भेद, उपसर्ग-प्रत्यय	एवरेस्ट : मेरी शिखर यात्रा, तुम कब जाओगे अतिथि
AUGUST	चित्र वर्णन, पत्र लेखन (अनौपचारिक)	गीत-अगीत, स्मृति
AUGUST-SEPTEMBER	PERIODIC TEST- 2	
	पत्र लेखन (अनौपचारिक)	वैज्ञानिक चेतना के वाहक चंद्रशेखर वेंकट रामन्, अग्निपथ
OCTOBER	अपठित गद्यांश, चित्र वर्णन	शुक्रतारे के समान, नए इलाके में
NOVEMBER DECEMBER	PERIODIC TEST- 3	
	पुनरावृत्ति	खुशबू रचते हैं हाथ, कल्लू कुम्हार की उनाकोटी
DECEMBER	पुनरावृत्ति	मेरा छोटा-सा निजी पुस्तकालय
JANUARY	REVISION	
FEBRUARY	ANNUAL EXAMINATION	



MONTH	LANGUAGE	LITERATURE
APRIL	বোধ পরীক্ষণ স্বরসন্ধান	খয়ো (কবিতা)
MAY	স্বরসন্ধান, প্রতবিদেন	আম আঁটিরি ভঁপু – ১,২,৩ অধ্যায় (সহায়ক পাঠ)
JUNE	PERIODIC TEST - 1	
	প্রতবিদেন	ছুর্টা (গদ্য) ব্যাখার বাঁশি (কবিতা)
JULY	সমাস – দ্বিগু, তপুরুষ, বহুব্রীহি	চর্চি (গদ্য) আম আঁটিরি ভঁপু – ৪,৫,৬ অধ্যায় (সহায়ক পাঠ)
AUGUST	বজ্জ্ঞপ্তা	ইলিয়াস (গদ্য) আম আঁটিরি ভঁপু – ৭-১০ অধ্যায় (সহায়ক পাঠ)
AUGUST	REVISION FOR PERIODIC TEST - 2	
AUGUST- SEPTEMBER	PERIODIC TEST - 2	
SEPTEMBER	বাক্য পরবির্তন (অসত্যর্থক, নঞ্জর্থক ইত্যাদি)	জন্মভূমি আজ (কবিতা) আম আঁটিরি ভঁপু – ১১,১২ অধ্যায় (সহায়ক পাঠ)
OCTOBER	শব্দ ও বাক্যগত অশুদ্ধি সংশোধন	সাহিত্য- দাম (গদ্য)
NOVEMBER	অশুদ্ধি সংশোধন	এই জীবন (কবিতা) আম আঁটিরি ভঁপু – ১৩ ও ১৪ অধ্যায়
NOVEMBER	PERIODIC TEST - 3	



DECEMBER		
DECEMBER	প্রতবিদেন বজ্জ্ঞপ্তা	আম আঁটরি ভপু – ১৫ ও ১৬ অধ্যায়
JANUARY	REVISION FOR ANNUAL EXAMINATION	
FEBRUARY	ANNUAL EXAMINATION	

MATHEMATICS



MONTH	UNIT	TOPIC	SUB - TOPIC	ACTIVITY
APRIL	1	Number system	Irrational numbers, Real numbers and their Decimal expansions, Representing Real Numbers on the Number line, Operations on Real Numbers, Laws of Exponents.	Square Root Spiral
MAY	2	Polynomials	Polynomials in one variable, Zeroes of a polynomial, Remainder theorem, Factor theorem, Factorisation of polynomials, Algebraic Identities.	
JUNE	PERIODIC TEST I			
JUNE	3	Coordinate Geometry	Cartesian system, Plotting of a point.	Street Plan
	4	Linear Equations	Linear equation, Solution of a Linear Equation, Graph of a Linear Equation in Two	



			Variable, Equations of lines parallel to x-axis and y-axis.	
	5	Lines & Angles	Basic terms and definitions, Intersecting and non- intersecting lines, pairs of angles, Parallel lines and transversal, lines parallel to the same line.	
JULY	6	Triangles	Congruence of triangles, Criteria for congruence of triangle, some properties of a triangle.	
	7	Heron's Formula	Area of a triangle using Herons Formula	
AUGUST	8	Euclid's Geometry	Euclid's Definitions, Euclid relationship between Axioms and theorem, Five Postulates of Euclid	
	9	Statistics	Bar graphs, Histograms (with varying base length), Frequency polygons.	



AUGUST	REVISION FOR PERIODIC TEST II			
AUGUST- SEPTEMBER	PERIODIC TEST II			
OCTOBER	10	Quadrilaterals	Angle sum property of a Quadrilateral, Types of Quadrilateral, Properties of a Parallelogram, Condition for a quadrilateral to be a Parallelogram, mid-Point theorem.	Midpoint Theorem
NOVEMBER	11	Circles	Circle and related terms, Angle subtended by a Chord at a point, Perpendicular from the centre to a chord, Equal Chords and their Distance from the centre, Angle subtended by an Arc of a Circle, Cyclic Quadrilateral.	
				Angle subtended at the centre is twice the angle subtended at the circle.
NOVEMBER- DECEMBER	PERIODIC TEST III			
DECEMBER	12	Surface Area & Volume	Surface area and volume of a Right circular Cone, Sphere and Hemisphere.	



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*Syllabus for Annual Examination: Entire Syllabus as prescribed by CBSE	

PHYSICS

MONTH	UNIT	TOPIC	SUB TOPIC	PRACTICALS
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APRIL	1	Motion	Distance and displacement, velocity; uniform and non-uniform motion along a straight line; acceleration,	
MAY	1	Motion	distance-time and velocity-time graphs for uniform motion and uniformly accelerated motion, elementary idea of uniform circular motion.	
JUNE			PERIODIC TEST- I	
JUNE	2	Force and Newton's Laws of Motion.	Force and Motion, Newton's Laws of Motion, Action and Reaction forces,	
JULY			Inertia of a body, Inertia and mass, Momentum, Force and Acceleration.	
AUGUST	2	Gravitation	Gravitation; Universal Law of Gravitation,	
AUGUST	REVISION FOR PERIODIC TEST –II			
AUGUST- SEPTEMBER	PERIODIC TEST- II			



SEPTEMBER	3	Gravitation	Force of Gravitation of the earth (gravity), Acceleration due to Gravity; Mass and Weight; Free fall	Determination of the density of solid (denser than water) by using a spring balance and a measuring cylinder.
OCTOBER	3	Floatation	Thrust and Pressure. Archimedes' Principle; Buoyancy.	Establishing the relation between the loss in weight of a solid when fully immersed in a) tap water b) strongly salty water, with the weight of water displaced by it by taking at least two different solids.
NOVEMBER	4	Work, Energy and Power	Work done by a Force, Energy, power; Kinetic and Potential energy; Law of conservation of energy (excluding commercial unit of Energy).	
NOVEMBER- DECEMBER	PERIODIC TEST- III			



DECEMBER	5	Sound	Nature of sound and its propagation in various media, speed of sound, range of hearing in humans;	Verification of the Laws of reflection of sound.
JANUARY	6	Sound	Ultrasound; reflection of sound; echo.	Determination of the speed of a pulse propagated through a stretched string/slinky (helical spring).
	REVISION			
FEBRUARY	ANNUAL EXAMINATION			



MONTH	UNIT	TOPIC	SUB TOPIC	PRACTICAL EXPERIMENT
April	1	Matter in our surroundings	Physical nature of matter, characteristics of particles of matter (kinetic theory of matter), states of matter, change of states of matter, effect of pressure and impurities on m.p. of solids and b.p. of liquids, latent heat of fusion and latent heat of vaporization.	To determine the m.p. of ice and b.p. of distilled water.
May	1	Matter in our surroundings	Advantages of high latent heat of fusion of ice and high latent heat of vaporization of water, heating and cooling curves.	
June	PERIODIC TEST - 1			
	1	Matter in our surroundings	Evaporation, factors affecting evaporation, difference between evaporation and boiling, cooling effect of evaporation and its applications.	



July	2	Is matter around us pure?	Mixtures, types of mixtures, daily life examples of mixtures and identifying the components of the mixtures. Solutions, properties of solutions, concentration of solutions, numericals on mass by mass % and mass by volume%.	To study the properties of solutions, suspensions and colloids. To prepare and study a mixture and a compound of iron & sulfur.
August	2	Is matter around us pure?	Numericals on volume by volume %. Suspensions, properties of suspensions, colloids, properties of colloids, types of colloids, applications. Physical and chemical changes.	To study the types of reactions and classify them as physical and chemical changes.
REVISION OF PERIODIC TEST - 2				
PERIODIC TEST - 2				
September				
September	3	Atoms and molecules	Laws of chemical combinations, Dalton's atomic theory.	
October	3	Atoms and molecules	Atomic size, symbols, atomic mass, a.m.u., molecules, atomicity, types, ions, radicals, chemical formulae, framing of formulae, molecular mass, formula unit mass.	



November	4	Structure of the atom	Charged particles in matter, canal ray, structure of the atom, Thomson's model and its limitations, Rutherford's Gold foil experiment. Rutherford's model and its limitation.	
	PERIODIC TEST - 3			
December	4	Structure of the atom	Bohr's atomic model. Neutrons, electronic distribution in atoms, atomic structure diagrams, valency, atomic number and mass number.	
	REVISION FOR ANNUAL EXAMINATION			
January	4	Structure of the atom	Isotopes, fractional atomic mass, application of isotopes, isobars.	
ANNUAL EXAMINATION				
February				



MONTH	UNIT	CHAPTER	SUB -TOPIC	PRACTICAL
APRIL	1	The Fundamental Unit of Life	<ul style="list-style-type: none"> What are living organisms made up of? Structural organization of a cell Osmosis and diffusion 	Preparation of stained temporary mounts of a. Onion peel cell b. Human cheek cell
MAY	1	The Fundamental Unit of Life	<ul style="list-style-type: none"> Cell organelles 	
JUNE	PERIODIC TEST 1			
JUNE	1	The Fundamental Unit of Life	<ul style="list-style-type: none"> Cell organelles and cell division 	
JULY	2	Tissues	<ul style="list-style-type: none"> Plant tissues (Meristematic and Permanent tissues) 	Identification of Parenchyma, Collenchyma and Sclerenchyma tissues of plant.
			<ul style="list-style-type: none"> Animal tissues (Epithelial tissues) 	Identification of striped. Smooth and cardiac muscle fibers and nerve cells in animals. from prepared slides.
AUGUST		<ul style="list-style-type: none"> Animal tissues (Connective tissues, Muscular and 		



			Nervous tissue)	
AUGUST- SEPTEMBER	PERIODIC TEST 2			
SEPTEMBER	3	Improvement in Food Resources	<ul style="list-style-type: none"> ● Improvement in crop yields ● Crop variety improvement 	
OCTOBER			<ul style="list-style-type: none"> ● Crop production management 	
NOVEMBER				
NOVEMBER - DECEMBER	PERIODIC TEST 3			
DECEMBER	3	Improvement in Food Resources	<ul style="list-style-type: none"> ● Crop protection management 	
JANUARY			<ul style="list-style-type: none"> ● Animal husbandry 	
JANUARY	REVISION FOR ANNUAL EXAMINATION			
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ECONOMICS

MONTH	UNIT	TOPICS	SUB TOPICS
APRIL	1	The Story of Palampur	(THE ENTIRE CHAPTER TO BE ASSESSED IN PERIODIC ASSESSMENT ONLY) Overview Organization of production
MAY	1	The Story of Palampur	Farming in Palampur Non-Farm activities: Dairy, Shopkeepers, Transport and Small-scale manufacturing.
JUNE	PERIODIC TEST 1		
JUNE	2	People as a Resource	Overview Economic activities by men and women
JULY	2	People as a Resource	Quality of Population Unemployment
AUGUST	3	Poverty as a Challenge	Overview Two typical cases of poverty Poverty as seen by Social Scientists Poverty Estimates Vulnerable Groups Interstate disparities
AUGUST	REVISION FOR PERIODIC TEST 2		
AUGUST-SEPTEMBER	PERIODIC TEST 2		
SEPTEMBER	3	Poverty as a Challenge	Global poverty scenario Causes of Poverty



OCTOBER	3	Poverty as a Challenge	Anti-Poverty Measures The Challenges ahead
NOVEMBER	4	Food Security in India	Overview What is Food Security? Why Food Security? Who are food insecure? Food Security in India What is Buffer Stock? What is the Public Distribution System? Current Status of Public Distribution System Role of Cooperatives in food security
NOVEMBER- DECEMBER	PERIODIC TEST 3		
DECEMBER	4	Food Security in India	What is Buffer Stock? What is the Public Distribution System? Current Status of Public Distribution System Role of Cooperatives in food security
JANUARY	REVISION		
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GEOGRAPHY

MONTH	UNIT	TOPICS / CHAPTERS	SUBTOPICS
APRIL	1	INDIA: SIZE AND LOCATION	<ul style="list-style-type: none"> • Location • Size • India and the World • India's Neighbours
	2	INDIA: PHYSICAL FEATURES	<ul style="list-style-type: none"> • Major Physiographic Divisions
MAY	2	INDIA: PHYSICAL FEATURES	<ul style="list-style-type: none"> • The Himalayan Mountains • The Northern Plain
JUNE	2	INDIA: PHYSICAL FEATURES	<ul style="list-style-type: none"> • The Peninsular Plateau • The Indian Desert • The Coastal Plains • The Islands
JUNE	PERIODIC TEST 1		
JULY	3	INDIA: DRAINAGE	<ul style="list-style-type: none"> • Concept • Drainage Systems in India • The Himalayan Rivers-Ganga and Brahmaputra River System • The Peninsular Rivers- Narmada Basin, Tapti Basin, Godavari Basin, Mahanadi Basin, Krishna Basin, Kaveri Basin • Lakes • Role of Rivers in the Economy • River Pollution



	4	INDIA: CLIMATE	<ul style="list-style-type: none"> • Concept • Climatic Controls • Factors influencing India's climate - Latitude, Altitude, Pressure and Winds
AUGUST	4	INDIA: CLIMATE	<ul style="list-style-type: none"> • The Seasons - Cold Weather Season, Hot Weather Season, Advancing Monsoon, Retreating/Post Monsoons • Distribution of Rainfall • Monsoon as a unifying bond
AUGUST	REVISION FOR PERIODIC TEST 2		
AUGUST- SEPTEMBER	PERIODIC TEST 2		
SEPTEMBER	5	INDIA: NATURAL VEGETATION AND WILDLIFE	<p>FOR INTER- DISCIPLINARY PROJECT</p> <ul style="list-style-type: none"> • Types of Vegetation – Tropical Evergreen Forests, Tropical Deciduous Forests, Thorn Forests and Shrubs
OCTOBER	5	INDIA: NATURAL VEGETATION AND WILDLIFE	<p>FOR INTER- DISCIPLINARY PROJECT</p> <ul style="list-style-type: none"> • Types of Vegetation – Tropical Evergreen Forests, Tropical Deciduous Forests, Thorn Forests and Shrubs, Montane Forests, Mangrove Forests
NOVEMBER	5	INDIA: NATURAL VEGETATION AND WILDLIFE	<p>ONLY MAP POINTING TO BE EVALUATED IN THE ANNUAL EXAMINATION.</p> <ul style="list-style-type: none"> • Wildlife
NOVEMBER-	PERIODIC TEST 3		



DECEMBER			
DECEMBER	6	INDIA: POPULATION	Population size and distribution · India's Population Distribution by Numbers and Density
JANUARY	6	INDIA: POPULATION	· Population Growth and Processes of Population Change
	REVISION FOR ANNUAL EXAMINATION		
FEBRUARY	ANNUAL EXAMINATION		



HISTORY AND POLITICAL SCIENCE

MONTH	UNIT	TOPICS/CHAPTERS	SUB TOPICS	
APRIL	1	The French Revolution	French Society During the Late 18 th Century	
			The outbreak of the Revolution	
			France abolishes Monarchy and Becomes a Republic	
			Did Women have a Revolution?	
			The Abolition of Slavery	
MAY	1	What is Democracy? Why Democracy?	The Revolution and Everyday life	
			What is Democracy?	
			Features of Democracy	
			Why Democracy?	
JUNE	PERIODIC TEST 1			
	JUNE/ JULY	2	Socialism in Europe and Russian Revolution	
				Broader Meaning of Democracy
				The Age of Social Change
The Russian Revolution				
AUGUST	2	Electoral Politics	The February Revolution in Petrograd	
			What Changed in October?	
			The Global influence of the Russian Revolution and the U.S.S.R.	
	3	Constitutional Design	Why Elections?	
			What is our system of Elections?	
			What makes Elections in India Democratic?	
			Democratic Constitution in South Africa	
AUGUST- SEPTEMBER	PERIODIC TEST 2			
	OCTOBER	3	Nazism and the Rise of Hitler	
Why do we need a Constitution?				
Making of the Indian Constitution				
Guiding Values of the Indian Constitution				
Birth of Weimer Republic				
NOVEMBER	4	Pastoralists in the	Hitler's Rise to Power	
			Pastoral Nomads and their Movements	



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		Modern World (To be assessed only in Periodic Test)	Colonial Rule and Pastoral Life Pastoralism in Africa
NOVEMBER		Forest Society and Colonialism	Entire chapter to be assessed as Inter disciplinary project with Geography.
NOVEMBER	4	Working of Institutions	How is the major policy decision taken Parliament Political Executive Judiciary
NOVEMBER- DECEMBER	PERIODIC TEST 3		
DECEMBER /JANUARY	5	Democratic Rights	Life without Rights Rights in a Democracy Rights in the Indian Constitution Expanding the Scope of Rights
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COMPUTER

MONTH	UNIT	TOPIC	SUB- TOPIC
APRIL	1	Computer Fundamentals	Types of computers, Applications of computers.
	2	Operating Systems	Understanding Kernel.
MAY	2	Operating Systems	Identifying File Systems.
JUNE	PERIODIC TEST 1		
JUNE	3	Computer Software	Types of Software, Language Processor.
	4	Basics of Networking	Identifying Network Devices And Protocols, Different Transmission Medias.
	5	Introduction to the Internet	Internet Technologies, Cloud Computing.
	6	Basics of Multimedia	Animation, Identifying Various Multimedia File Formats.
JULY	7	Basics of App Development	App Creation Process, Different Types Of App.
	8.	Safe Web Browsing	Identity Protection, Usage of Passwords.
	9	Cyber Security	Handling Cyber Crimes



	10	Java – A Cup of Coffee	Introduction to OOPs Concepts, Java Programming , Creating a Basic Java Program using Class and main() function, Compiling and Executing the program.
AUGUST	11	Storing and Operating on Data	Variables and Data Types using user defined functions, Introduction to Operators, Using Arithmetic Operators, and Using Relational Operators.
	12	Using Conditional Constructs	Using If...Else Constructs, Using If...Else If, Using Logical Operators.
	REVISION FOR PERIODIC TEST -2		
AUGUST - SEPTEMBER	PERIODIC TEST – 2		
SEPTEMBER	13	Programming Using Loops	Importance of Loops, Types of loops - While, Do While & For, Difference between While and Do While Loops, Java Program to use While Loop, Do While Loop, For Loop, Arrays.
	14	Creating Calculator Using Java	Revisiting Operators, Conditional Constructs, and Loops, Functions, Exception Handling.



	15	Enhancing Calculator	Inheritance , Function Overloading
	16	Working with Applet	Life cycle of Java Applets , Sample output to demonstrate Applets, An Applet program to display a string using drawString() method.
OCTOBER	17	More on Applet	Applet Program to use Font class and setting background colours, Applet program to draw Shapes using drawLine, drawRect and drawOval functions.
NOVEMBER	18	Learning Scratch	Scratch programming that enables to create animation, stories, game & music, How to share online scratch project , How to avoid complex code , Script can be created by dragging the blocks , Repeats blocks to repeat instructions for required number of times.
	19	More About Scratch	Move the scratch mascot to the desired point.
NOVEMBER - DECEMBER	PERIODIC TEST - 3		
DECEMBER	19	(Continuation) More About Scratch	How to modify pen block features.



JANUARY	20	Word Processor	Basic Editing And Formatting, Bulleted and Numbered Lists.
	23	Basics of Presentation	Creating the Base Presentation, Changing the Visual Appearance.
	25	Storing Data Efficiently	Formatting Cell Data, Formatting Numbers and Date Values.
	26	Exploring Excel Formulas	Performing Simple Calculations, Performing Complex Calculations.
	27	Using Functions	Using Functions to Perform Basic Calculations, Using Functions to Analyze Data
	28	Data Analysis And Representation	Applying Conditional Formatting, Analyzing and Presenting Data
	29	Special Coverage Artificial Intelligence AI Excite, AI Relate	To know about the term Artificial Intelligence (AI), To identify and appreciate Artificial Intelligence (AI), To describe its applications in life. Relate, apply and reflect on the Human-Machine Interactions through AI Games. To identify and interact with the three domains of AI: Data, Computer Vision and Natural Language Processing
REVISION FOR ANNUAL EXAMINATION			
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ARTIFICIAL INTELLIGENCE

MONTH	CHAPTER	CORE CONCEPTS
APRIL	Introduction to Artificial Intelligence(AI) -Excite	Session: Introduction to AI and setting up the context of the curriculum
		<ul style="list-style-type: none"> • Importance of AI • Why AI is gaining Relevance • Evolution Of AI
		<ul style="list-style-type: none"> • What is Intelligence in AI - The Turing Test • Experiencing AI in Real Life – Chatbots • IBM Watson - A big leap in AI
	<ul style="list-style-type: none"> • AI in India • Future of AI • Future Work Skills with AI 	
	Introduction to Artificial Intelligence(AI) -Relate	<ul style="list-style-type: none"> • Domains of AI • Data Identification and Collection • Big Data And AI • Three domains of AI • What is Data Science • Application areas of Data Science • Three types of Data
	Introduction to Artificial Intelligence(AI) -Purpose	<ul style="list-style-type: none"> • Introduction to UN Sustainable Development Goals • SDGs from 1 to 17
MAY	Introduction to Artificial Intelligence	Theme-based research and Case studies <ul style="list-style-type: none"> • Case- studies of inspiring start-ups, companies or communities where AI has been involved in real-life. • Future of AI in and around us • Job advertisement activity: To figure out how AI is
	(AI)	
	-Possibilities	



		going to transform the nature of jobs and create the Ad accordingly
PERIODIC TEST - 1		
JUNE	Introduction to Artificial Intelligence(AI) -AI Ethics	<ul style="list-style-type: none"> • Discussing about AI Ethics Recommended Activity: Ethics Awareness • Session: AI Bias and AI Access • Discussing about the possible bias in data collection • Discussing about the implications of AI technology • Antibullying with AI • They have to come up with their points as to why AI is beneficial/ harmful for the society.
	Communication Skills-I	
JULY	AI PROJECT CYCLE: - Problem Scoping	Session: Introduction to AI Project Cycle <ul style="list-style-type: none"> • Problem Scoping • Data Acquisition • Data Features • System Maps
	Introduction to Python	<ul style="list-style-type: none"> • Introduction to Python language • Introducing python programming and its applications Students go through lessons on Python Basics • (Variables, Arithmetic Operators, Expressions, Data Types - integer, float, strings, using print() and input() functions) • Simple problem-solving exercises on Python Compiler. • Flow of control and conditions • Problem-solving exercises using conditional and iterative statements on Python Compiler
AUGUST	Self-Management Skills-I	<ul style="list-style-type: none"> • Meaning of self-management • Positive results of self-management • Self-management skills • Factors that help in building self-confidence • Self-confidence building tips



AUGUST	ICT Skills-I ICT Skills-I	<ul style="list-style-type: none"> • Introduction to ICT • Role & importance of ICT in personal life and at workplace • ICT in our daily life • ICT tools • Computer system • Hardware & software of computer system • Role and functions of CPU • Procedure for starting and shutting down a computer • Peripheral devices and their uses • Primary operations on a computer system
	ENTREPRENEURIAL SKILLS- I	<ul style="list-style-type: none"> • Types of businesses • Types of business found in our community • Meaning of entrepreneurship development • Distinguishing characteristics of entrepreneurship • Role and rewards of entrepreneurship
REVISION FOR PERIODIC TEST - 2		
PERIODIC TEST - 2		
SEPTEMBER	AI PROJECT CYCLE- Data Exploration and Modelling	<ul style="list-style-type: none"> • Data Exploration • Evaluation
OCTOBER	GENERATIVE AI	<ul style="list-style-type: none"> • Introduction to Generative AI • Generative AI vs Conventional AI • Types and Benefits
PERIODIC TEST - 3		
NOVEMBER	DATA LITERACY	<ul style="list-style-type: none"> • Basics of Data Literacy • Acquiring Data, Processing and Interpreting Data
	MATH FOR AI	<ul style="list-style-type: none"> • Importance of Math for AI • Statistics
		Recommended Activity: Let's use Graphical Tools



DECEMBER	GREEN SKILLS-I	<ul style="list-style-type: none">• To decide what kind of data is required for a given scenario and acquire the same.• To select an appropriate graphical format to represent the data acquired.• Presenting the graph sketched.
	PYTHON	<ul style="list-style-type: none">• Python Lists• Simple operations using list
	MATH FOR AI (Contd)	<ul style="list-style-type: none">• Probability
JANUARY	PROJECT	
	REVISION FOR ANNUAL EXAMINATION	
FEBRUARY	ANNUAL EXAMINATION	