

SYLLABUS FOR CLASS VIII

SR. No.	Subjects	Contents	
SCHOLASTIC SUBJECTS			
1.	Mathematics	<ul style="list-style-type: none">• Number Systems (Rational, Irrational, Real Numbers)• Geometry (Triangles, Quadrilaterals, Circles)• Linear Equations and Inequalities	<ul style="list-style-type: none">• Algebraic Expressions and Equations• Data Handling (Statistics, Probability)• Quadratic Equations and Polynomials
2.	Science	<ul style="list-style-type: none">• Cell Biology and Genetics• Chemistry - Elements, Compounds, and Chemical Reactions• Astronomy - Solar System, Stars, and Galaxies	<ul style="list-style-type: none">• Physics - Motion, Forces, and Energy• Earth Science - Geology, Weathering, and Erosion• Environmental Science - Pollution, Conservation, and Sustainability
3.	SST	<ul style="list-style-type: none">• Ecosystems and Biodiversity Conservation• Environmental Pollution and Solutions• Waste Management and Recycling	<ul style="list-style-type: none">• Climate Change and Global Warming• Renewable Energy Sources• Sustainable Development Goals (SDGs)
4.	English	<ul style="list-style-type: none">• Reading Comprehension and Critical Analysis• Grammar (Advanced Parts of Speech, Tenses, Voice)• Literature Analysis and Appreciation	<ul style="list-style-type: none">• Vocabulary Building and Word Usage• Creative Writing (essays, stories, poems)• Effective Communication Skills and Public Speaking
5.	Hindi	<ul style="list-style-type: none">• वाक्य रचना• समानार्थक शब्द और विलोम शब्द• उपसर्ग और प्रत्यय	<ul style="list-style-type: none">• समीकरण और वाक्यांश• कविता और गद्य लेखन• वर्णनात्मक और व्यक्तित्व वर्णन

CO-SCHOLASTIC SUBJECTS			
6.	STEM	<ul style="list-style-type: none"> • Robotics and Advanced Programming Concepts • Electricity and Circuits (advanced concepts) • Innovations in Technology 	<ul style="list-style-type: none"> • Engineering Design and Prototyping • Scientific Research and Experimental Design • Environmental Engineering and Sustainable Solutions
7.	General Knowledge	<ul style="list-style-type: none"> • World Geography, Countries, and Capitals • Current Affairs for Children • Space Exploration and Astronomy 	<ul style="list-style-type: none"> • Historical Events and Famous Personalities • Cultural Diversity and Traditions • General Knowledge Questions from Various Fields
8.	Computer	<ul style="list-style-type: none"> • Programming Concepts (Advanced programming language) • Cybersecurity and Encryption • Introduction to Machine Learning 	<ul style="list-style-type: none"> • Data Structures and Algorithms • Web Development (HTML, CSS, JavaScript, Backend Basics) • Database Management and SQL
9.	Aptitude & Reasoning	<ul style="list-style-type: none"> • Patterns, Series, and Sequences • Mathematical Reasoning (algebraic reasoning, word problems) • Data Interpretation and Analysis 	<ul style="list-style-type: none"> • Logical Reasoning (complex puzzles, deductive reasoning) • Critical Thinking and Analytical Skills • Problem-solving Strategies