

SYLLABUS FOR CLASS IX

SR. No.	Subjects	Contents	
SCHOLASTIC SUBJECTS			
1.	Mathematics	<ul style="list-style-type: none">• Number Systems (Real Numbers, Rational and Irrational Numbers)• Geometry (Triangles, Circles, Constructions)• Trigonometry	<ul style="list-style-type: none">• Algebraic Expressions and Equations• Quadratic Equations and Polynomials• Statistics and Probability
2.	Science	<ul style="list-style-type: none">• Cell Biology and Genetics• Chemistry - Chemical Reactions, Periodic Table• Astronomy - Solar System, Stars, and Cosmology	<ul style="list-style-type: none">• Physics - Motion, Forces, and Energy• Earth Science - Geology, Climate, Natural Disasters• Environmental Science - Pollution, Conservation, and Sustainability
3.	Social Science	<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">• संज्ञा और सर्वनाम• विविध अलंकार• समास	<ul style="list-style-type: none">• रचनात्मक लेखन• काव्यशास्त्र• निबंध लेखन और विचार

		CO-SCHOLASTIC SUBJECTS	
5.	STEM	<ul style="list-style-type: none"> Robotics and Advanced Programming Concepts Advanced Physics Concepts (Electricity, Magnetism) Innovations in Technology 	<ul style="list-style-type: none"> Engineering Design and Prototyping Scientific Research and Experimental Design Environmental Engineering and Sustainable Solutions
6.	General Knowledge	<ul style="list-style-type: none"> World Geography, Countries, and Capitals Current Affairs for Students 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
7.	Artificial Intelligence	<ul style="list-style-type: none"> Programming Concepts (Advanced programming language) Cybersecurity and Encryption Machine Learning and Artificial Intelligence 	<ul style="list-style-type: none"> Data Structures and Algorithms Web Development (HTML, CSS, JavaScript, Backend Basics) Database Management and SQL
8.	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