

SYLLABUS FOR CLASS VII

SR. No.	Subjects	Contents	
SCHOLASTIC SUBJECTS			
1.	Mathematics	<ul style="list-style-type: none"> • Number Systems (Rational Numbers, Irrational Numbers) • Geometry (Angles, Circles, Constructions) • Rational and Irrational Numbers 	<ul style="list-style-type: none"> • Algebraic Expressions and Equations • Data Handling (Statistics, Probability) • Exponents and Powers
2.	Science	<ul style="list-style-type: none"> • Cell Biology and Microorganisms • Chemistry - Elements, Compounds, and Mixtures • Basics of Astronomy (Solar System, Stars) 	<ul style="list-style-type: none"> • Basics of Physics (Motion, Energy, Sound) • Earth Science - Geology and Earth's Processes • Genetics and Heredity
3.	SST	<ul style="list-style-type: none"> • Ecosystems and Conservation • Environmental Pollution and Remediation • Renewable and Non-Renewable Energy Sources 	<ul style="list-style-type: none"> • Climate Change and Global Warming • Biodiversity and Endangered Species • Sustainable Development
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
5.	Hindi	<ul style="list-style-type: none"> • हिंदी साहित्य का इतिहास • प्रत्यय और धातु • अलंकार 	<ul style="list-style-type: none"> • वर्णमाला और उसका सही उच्चारण • वर्तनी विचार एवं विराम चिन्ह • शब्द भंडार
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.	AI/Computer	<ul style="list-style-type: none"> • Programming Concepts (Introduction to a programming language) • Cybersecurity and Ethical Hacking • Introduction to Artificial Intelligence and Machine Learning 	<ul style="list-style-type: none"> • Algorithms, Flowcharts, and Pseudocode • Web Development Basics (HTML, CSS, JavaScript) • 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