



N.C. JINDAL PUBLIC SCHOOL

PUNJABI BAGH (W), NEW DELHI – 110026

CLASS VI

COMPUTATIONAL THINKING AND ARTIFICIAL INTELLIGENCE (CT & AI)

SYLLABUS – SESSION 2026–2027

SYLLABUS DETAILS (COMPUTATIONAL THINKING)

MONTH	CHAPTER / TOPIC	KEY LEARNING AREAS
August	Patterns in Mathematics	Series recognition and logical sequences
August	Lines and Angles	Geometric relationships and spatial reasoning
August	Number Play	Numerical puzzles, logic, and place value problems
September	Data Handling and Presentation	Organizing, analyzing, and visualizing data
September	The Other Side of Zero	Integer operations and directed numbers
October	Prime Time	Prime numbers, factors, and divisibility rules
October	Perimeter and Area	Spatial measurement and calculation
November	Fractions	Rational number operations and relationships
December	Playing with Constructions	Geometric assembly and spatial problem-solving
December	Symmetry	Mirror relationships and rotational properties
January	Revision Work	Comprehensive review and consolidation of term concepts
February	Final Assessment	End-of-year evaluation and performance assessment

SYLLABUS DETAILS (ARTIFICIAL INTELLIGENCE)

MONTH	CHAPTER/TOPIC	KEY LEARNING AREAS
July - August	Chapter 1 - Introduction to Artificial Intelligence and Everyday Examples	Meaning of AI, AI in daily life, AI and automation, Human vs Machine Intelligence, Types of Learning in AI
October	Chapter 2- Basic Data Concepts	Understanding data, Types of data, Collecting data, Organizing data, Representing data
November	Chapter 3-Simple Pattern Recognition and Decision Making	Understanding patterns, Identifying patterns, Observations and conclusions, Decision making
December	Chapter 4-Ethics and Digital Responsibility	Responsible use of technology, Online safety, Privacy, Password safety, Digital footprints.
February	Revision	

ASSESSMENT & MARKS DISTRIBUTION

RUBRICS	MAXIMUM MARKS	GRADING CRITERIA
CT		
Problem Decomposition	5	Breakdown of tasks
Pattern Recognition	5	Pattern identification
Abstraction	5	Key detail focus
Algorithm Design	5	Step-by-step planning
TOTAL(CT)	20	
AI		
Online Assessment	10	Multiple Choice Questions
Total(CT+AI)	30	

GRADING CRITERIA

GRADE	MARKS
A	20 to 30
B	10 to less than 20
C	0 to less than 10