

BURNPUR RIVERSIDE SCHOOL, CHITTARANJAN

SUBJECT: COMPUTATIONAL THINKING AND ARTIFICIAL INTELLIGENCE (CT & AI)

Text Book: Computational Thinking and Artificial Intelligence – Class 6 - Student Handbook

MONTH	W.D.	COURSE CONTENT	SL NO.	LEARNING OUTCOMES
April	22	-----		-----
May	12	-----		-----
June	14	CT: Pattern in Mathematics AI: Introduction to Artificial Intelligence and Everyday Examples	A	Learning Focus: Students will be able to - Identify, extend, and justify complex patterns involving multiple simultaneous changes, formed using: Numbers with mixed operations and logical rules Shapes/images with changing attributes (size, position, count, orientation) Letters and symbols with positional or alphabetical logic Patterns involving alternation, skipping, grouping, or cyclic behaviour Mixed patterns combining numbers, shapes, and letters with dependency rules Meaning of AI, AI in daily life, AI and automation, Human vs Machine Intelligence, Types of Learning in AI
PERIODIC TEST - 1 : 25.06.2026 TO 04.07.2026				
July	26	CT: Number Play and Lines and Angles AI: Introduction to Artificial Intelligence and Everyday Examples	B	Learning Focus: Students will be able to identify, extend, and justify complex patterns involving multiple simultaneous changes, formed using: Numbers with mixed operations and logical rules Shapes/images with changing attributes (size, position, count, orientation) Meaning of AI, AI in daily life, AI and automation, Human vs Machine Intelligence, Types of Learning in AI
August	22	CT: Data Handling and Presentation, Prime Time. AI:	C	Learning Focus: Students will be able to follow, analyse, and apply multi-layered rules and procedures to solve complex problems involving: Understanding data, Types of data, Collecting data, Organising data, Representing data Understanding data, Types of data, Collecting data,

		Basic Data Concepts	Organising data, Representing data.	
HALF YEARLY : 01.09.2026 TO 15.09.2026				
September	25	CT: Perimeter and Area AI: Simple Pattern Recognition and Decision Making	D	Learning Focus: Students will be able to follow, analyse, and apply multi-layered rules and procedures to solve complex problems involving: Length, Breadth, Perimeter and Area of 2D and 3D figures. Understanding patterns, identifying patterns, Observations and conclusions, Decision making.
October	18	CT: Fractions AI: Simple Pattern Recognition and Decision Making	E	Learning Focus: Students will be able to follow, analyse, and apply multi-layered rules and procedures to solve complex problems involving: Number sequences formed using combined operations and logical conditions. Understanding patterns, identifying patterns, Observations and conclusions, Decision making.
November	19	CT: Playing with Constructions AI: Ethics and Digital Responsibility	F	Learning Focus: Students will be able to interpret and solve multi-step problems with layered and abstract clues, using: Advanced viewpoints and cross-sections of 2D and 3D objects. Combined transformation of shapes (multiple flips, rotations, reflections, cuts/folds). Responsible use of technology, Online safety, Privacy, Password safety, Digital footprints.
December	21	CT: Symmetry	G	Learning Focus: Students will be able to interpret and solve multi-step problems with layered and abstract clues, using: Changes in orientation, position, order, and direction (clockwise, anticlockwise, diagonal). Symmetry across multiple axes and composite mirror/water image reasoning. Visual reasoning involving scale, proportion, and spatial relationships.

		AI: Ethics and Digital Responsibility		Responsible use of technology, Online safety, Privacy, Password safety, Digital footprints.
PT - 3 : 22.12.2026 TO 24.12.2026 & 05.01.2027 TO 07.01.2027				
January	21	CT: The other side of Zero	H	Learning Focus: Students will be able to identify, extend, and justify complex patterns involving multiple simultaneous changes, formed using: Numbers with mixed operations and logical rules Shapes/images with changing attributes (size, position, count, orientation). Responsible use of technology, Online safety, Privacy, Password safety, Digital footprints.
ANNUAL EXAMINATION : 15.02.2027 TO 26.02.2027				
February	23			-----
March	23			-----