



SCO INTERNATIONAL OLYMPIAD

CLASS 1 OFFICIAL SYLLABUS

ARTIFICIAL INTELLIGENCE OLYMPIAD

A clear, school-ready syllabus guide for educators, schools, teachers, parents, and students

Designed to explain what the syllabus includes, what students will learn, and how Class 1 AI builds future-ready thinking through safe, age-appropriate learning.

What is AI	Daily-Life AI	Sense • Think • Act	Patterns & Data
Machine vs Human	Safe AI Use	Logic & Matching	Block Coding

Class	Subject	Chapters	Document Type
1	Artificial Intelligence	9	Official syllabus



About this syllabus

Why this document matters for schools, teachers, parents, and students

What this syllabus explains

- what AI means at Class 1 level
- what students are expected to learn chapter by chapter
- the practical learning outcomes for early-age learners
- how schools and families can use the syllabus meaningfully

Why this syllabus is useful

- supports safe and age-appropriate technology understanding
- helps teachers plan concept-led and activity-led learning
- helps parents understand the purpose behind AI education
- positions schools with a future-ready and responsible framework

Class 1 learner profile: At this stage, learners respond well to examples, images, matching tasks, simple patterns, guided questioning, and playful logic activities. The AI syllabus therefore focuses on awareness, observation, safe use, and structured thinking rather than advanced technical theory.

Class 1 chapter-wise syllabus overview

Short pedagogic briefs and learning outcomes for each chapter

No.	Chapter Name	Brief overview	Learning outcome
1	What is Artificial Intelligence	Introduces AI as smart technology that can listen, respond, and help with simple tasks in child-friendly ways.	Students understand AI as a helpful smart system used in everyday life and learning.
2	Artificial Intelligence Examples in Daily Life	Explores familiar examples such as voice assistants, translation tools, chatbots, cameras, and smart devices.	Students identify where AI appears around them and connect examples with daily routines.



No.	Chapter Name	Brief overview	Learning outcome
3	How Artificial Intelligence Works (Sense - Think - Act)	Explains the simple AI cycle of sensing information, thinking about it, and then taking action.	Students understand that AI follows steps to observe, decide, and respond.
4	Learn Patterns, Shapes, Colors and Data Games for Artificial Intelligence	Builds recognition of patterns, colours, shapes, and simple data through visual games and matching activities.	Students strengthen early pattern recognition, comparison, and observation skills used in AI learning.
5	Learn Machine vs Human Capabilities for Artificial Intelligence	Compares what machines do well and what humans do better, using simple age-appropriate examples.	Students distinguish between human strengths and machine strengths in clear, practical ways.
6	Safe and Kind Artificial Intelligence Use	Teaches safe, respectful, and responsible use of AI tools in school, at home, and online.	Students learn to use AI with kindness, care, privacy awareness, and good digital habits.
7	Logic Puzzles and Matching Fun	Uses puzzle-based activities to build thinking, matching, sorting, and simple reasoning confidence.	Students improve logical thinking, sequencing, and attention through playful reasoning tasks.
8	Block Coding and Rule-Based Thinking	Introduces coding ideas through blocks, instructions, steps, and simple rule-based problem solving.	Students understand that clear rules and ordered steps help machines perform tasks.
9	Student Artificial Intelligence Project Template for Kids	Encourages mini project work that helps learners apply ideas through guided creation and reflection.	Students begin applying AI concepts through small projects, discussion, and simple presentation.



What students will learn across the syllabus

A school-friendly summary of the full learning journey

<p>AI awareness</p> <ul style="list-style-type: none"> • understand AI as smart technology used in helpful ways • recognise common AI examples in home, school, and daily life • connect AI ideas with familiar experiences 	<p>Structured thinking</p> <ul style="list-style-type: none"> • understand the simple cycle of sense, think, and act • build pattern recognition, matching, and observation confidence • strengthen logic through playful tasks and puzzles
<p>Human and machine comparison</p> <ul style="list-style-type: none"> • compare what machines do well and what humans do better • understand that machines follow rules and data • develop balanced thinking about technology 	<p>Safe digital habits</p> <ul style="list-style-type: none"> • use AI with kindness, care, and responsibility • understand simple safety and privacy ideas • build respectful behaviour around smart tools
<p>Coding and rules</p> <ul style="list-style-type: none"> • follow steps, blocks, and instructions in order • understand that machines work using rules • connect block coding with simple problem solving 	<p>Projects and application</p> <ul style="list-style-type: none"> • apply concepts through small project work and guided reflection • speak about ideas with growing confidence • connect learning with creativity and real situations

How educators and schools can use this syllabus

<p>For schools</p> <ul style="list-style-type: none"> • position AI as a future-ready but child-friendly enrichment pathway • connect chapter themes with digital literacy and innovation activities • showcase responsible technology learning from an early stage 	<p>For teachers</p> <ul style="list-style-type: none"> • use pictures, matching tasks, stories, and guided discussion • teach AI as awareness, observation, and safe use • turn project ideas into simple, guided classroom experiences 	<p>For parents and students</p> <ul style="list-style-type: none"> • understand the meaning behind each chapter clearly • use home examples to discuss smart tools and safety • build confidence through curiosity and simple conversations
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Important note: SCO International Olympiad provides free learning materials to support guided preparation, better concept understanding, and stronger student confidence.