

# SCO INTERNATIONAL OLYMPIAD

## CLASS 2 OFFICIAL SYLLABUS

### SCO International Mental Ability Olympiad

Official syllabus for Class 2 learners: patterns, measurement, shapes, grouping, spatial skills, analogy, ranking, and series completion.

**Designed for Class 2 learners with age-fit reasoning, visual patterns, spatial thinking, and problem-solving practice.**

- compact question numbering with all figures placed inside question blocks
- clear answer key and explanations for parent, school, and student review

Patterns	Measuring Units	Shapes	Odd One Out	Spatial Skills
Analogy	Ranking	Embedded Figures	Series	

## SCO International Mental Ability Olympiad - Class 2 Official Syllabus

**Purpose:** This syllabus builds early reasoning skills through patterns, visual recognition, measurement, shape thinking, grouping, ranking, and age-appropriate puzzle solving.

### Chapter-Wise Syllabus and Learning Outcomes

Chapter	Topic	Learning Outcomes
1	<b>Patterns</b>	Continue colour, shape, letter, and number patterns using simple repetition and increasing/decreasing rules.
2	<b>Measuring Units</b>	Compare length, weight, capacity, and time using familiar units such as cm, metre, gram, kilogram, litre, and minutes.
3	<b>Geometrical Shapes</b>	Identify flat and solid shapes, corners, sides, curved edges, and simple properties of regular shapes.
4	<b>Odd One Out</b>	Find the object, word, figure, or number that does not belong to a group and explain the reason.
5	<b>Spatial Understanding</b>	Understand left-right, above-below, inside-outside, near-far, and movement of objects in space.
6	<b>Grouping of Figures</b>	Group figures by shape, colour, size, number of sides, or matching conditions.
7	<b>Analogy and Ranking Test</b>	Complete simple relationships and use rank/order clues in rows, races, ages, heights, and positions.
8	<b>Embedded Figures</b>	Recognise a small figure hidden inside a larger figure and understand how it moves with the larger figure.
9	<b>Series Completion</b>	Complete number, letter, and figure series using age-appropriate repeating or growing rules.

### Assessment Blueprint

Section	Questions	Focus
<b>General Reasoning</b>	20 questions	Core visual reasoning, patterns, odd one out, simple measurement, shapes, ranking
<b>Story and Picture Reasoning</b>	10 questions	Scenario-based questions using short stories, tables, and picture cues
<b>Achievers Section</b>	5 questions	Higher-order but age-fit questions requiring multi-step reasoning

## Preparation Guidance for Schools and Parents

- Use real objects such as pencils, cups, blocks, coins, and toy shapes to build reasoning through concrete examples.
- Ask children to explain why an option is correct. Short oral explanations build confidence and logical clarity.
- Practise with pictures, tables, and simple stories rather than long text-heavy questions.
- For measurement questions, connect units with daily life: centimetres for pencils, litres for bottles, and kilograms for bags.
- Use puzzles and pattern games regularly; the goal is not memorisation, but flexible thinking.

## Skill Progression by Topic

Skill Area	Progression
<b>Patterns</b>	Recognise repeated patterns -> Continue missing terms -> Explain the rule
<b>Shapes</b>	Name shapes -> Compare sides/corners -> Classify by properties
<b>Measurement</b>	Compare longer/shorter -> Use units -> Solve small difference problems
<b>Spatial Skills</b>	Understand positions -> Track simple movement -> Predict after flip or shift
<b>Reasoning</b>	Find odd one out -> Group by rule -> Complete analogy/ranking clues