Go Olympiad Syllabus

Classes 5–12

Bridging the gap between school education and competitive excellence.

1 Overview

The Go Olympiad syllabus is meticulously designed to bridge the gap between school education and competitive exam preparation. It emphasizes conceptual clarity, logical reasoning, and application-based learning.

The syllabus is closely aligned with **CBSE, ICSE, and State Boards** while extending beyond traditional textbooks to develop the analytical thinking and problem-solving abilities required for national-level competitions.

2 Exam Structure

A balanced distribution of marks ensures a comprehensive assessment of a student's potential.

Section	Weightage	Description
Logical Reasoning	20%	Enhances analytical thinking, pattern recognition, and decision-making skills.
Subject Knowledge	60%	Covers Mathematics and Science based on class-specific curriculum.
Achievers Section	20%	High-order thinking (HOTs) questions for advanced problem-solving.

3 Primary Level (Class 5)

Focus: Fundamental Concept Development

Subject	Topics Covered
Mathematics	Number system (up to 8 digits), basic operations, fractions & decimals, geometry (angles, symmetry), perimeter & area, data handling.
Science	Plants & animals, human body & health, natural resources, earth & universe, matter, force & energy.
Logical Reasoning	Patterns, mirror & water images, direction sense, coding-decoding, ranking.

4 Middle School Level (Classes 6–8)

Focus: Conceptual Depth and Introduction to Abstract Concepts

4.1 Subject-Wise Distribution

Class	Subject	Topics Covered
6	Mathematics	Integers, ratio & proportion, basic algebra, geometry, mensuration.
6	Science	Food components, fiber to fabric, light, electricity, body movements.
7	Mathematics	Rational numbers, algebraic expressions, triangles, exponents.
7	Science	Nutrition in plants & animals, heat, acids/bases/salts, weather, motion.
8	Mathematics	Linear equations, quadrilaterals, square & cube roots, direct & inverse proportion.
8	Science	Crop production, microorganisms, coal & petroleum, cell structure, pressure.

4.2 Logical Reasoning (Classes 6–8)

- **Analytical Reasoning:** Blood relations, syllogisms.
- **Visual Reasoning:** Figure matrix, patterns.
- **Logical Thinking:** Venn diagrams, puzzles, sequences.

5 Secondary Level (Classes 9–10)

Focus: Board Excellence and Competitive Foundation

Class	Subject	Topics Covered
9	Mathematics	Number systems, polynomials, coordinate geometry, Euclid's geometry, surface areas & volumes.
9	Science	Matter, atoms & molecules, motion, gravitation, tissues.
10	Mathematics	Real numbers, trigonometry, quadratic equations, arithmetic progressions, probability.
10	Science	Chemical reactions, periodic table, life processes, light, electricity, human eye.

6 Senior Secondary Level (Classes 11–12)

Focus: Advanced Competitive Preparation (JEE / NEET Level)

- **Mathematics:** Sets, relations & functions, complex numbers, permutations & combinations, calculus, probability, vectors.
- **Physics:** Mechanics, thermodynamics, electromagnetism, optics, modern physics.
- **Chemistry:** Atomic structure, bonding, organic chemistry, equilibrium, electrochemistry.
- **Biology:** Diversity, cell structure, physiology, genetics, biotechnology.

7 Key Features of the Syllabus

- ✓ **Curriculum Alignment:** Based on CBSE, ICSE, and State Boards.
- ✓ **Conceptual Learning:** Focus on understanding rather than memorization.
- ✓ **Application-Based Questions:** Real-world and competitive problem solving.
- ✓ **Logical Reasoning Integration:** Enhances IQ and analytical ability.
- ✓ **Competitive Readiness:** Prepares for JEE, NEET, CUET, and Global Olympiads.

8 Learning Outcomes

Outcome Area	Benefits
Concept Clarity	Strong understanding of academic subjects.
Analytical Thinking	Improved reasoning and problem-solving skills.
Academic Performance	Better results in school exams through rigorous practice.
Confidence Building	Improved performance under competitive exam conditions.

9 Additional Support

We provide a comprehensive ecosystem to help students succeed:

- ⇒ **Mock Tests:** Practice exams based on the actual test pattern.
- ⇒ **Sample Papers:** Exposure to the difficulty level of national competitions.
- ⇒ **Performance Reports:** Detailed analytics and skill-gap analysis for every student.
- ⇒ **Study Material:** Structured content designed for self-paced preparation.

Conclusion

The Go Olympiad syllabus is a comprehensive academic framework that goes beyond traditional learning. It is designed to build strong concepts, enhance analytical thinking, and prepare students for real-world competitive challenges.