Class24 | Academic Talent Development Program

Sub-Junior Program Olympiad & Syllabus Roadmap

Structured preparation track for Class 6 to 8

Covers Physics · Chemistry · Biology · Mathematics

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What's Inside

This roadmap is designed exclusively for students who want to explore academics exceptionally and build understanding well beyond their peer group and school textbooks. It maps directly to Class24's Sub-Junior Program batch (Class 6 to 8), combining NCERT-aligned concepts with Olympiad-level, non-routine problem exposure.

Section 1

Olympiads We Cover

Government-recognised and internationally accredited Olympiads mapped to Class 6 to 8 eligibility, sourced from Class24's Olympiad division (olympiad.class24.study).

Category	Olympiad / Exam	Conducting Body	Eligibility
Non-Routine Maths	National Mathematics Talent Contest (NMTC)	Association of Maths Teachers of India (AMTI)	5th - 12th
Non-Routine Maths	LIMIT (Online Mathematics Competition)	ISI Bangalore	6th - 12th
Aptitude in Maths	American Mathematics Competitions (AMC)	Mathematical Association of America (MAA)	5th - 12th
Aptitude in Maths	International Mathematics Olympiad (IMO)	Science Olympiad Foundation (SOF)	1st - 12th
Aptitude in Maths	International Olympiad of Mathematics (iOM)	Silverzone	1st - 12th
Aptitude in Maths	SASMO (Singapore & Asian Schools Math Olympiad)	SASMO	1st - 12th
Aptitude in Science	National Science Olympiad (NSO)	Science Olympiad Foundation (SOF)	1st - 12th
Aptitude in Science	International Olympiad of Science (IOS)	Silverzone	1st - 12th
Aptitude in Science	NSTSE (National Science Talent Search Exam)	Unified Council	1st - 12th
Aptitude in Science	International Chemistry Quiz (ICQ)	Royal Australian Chemical Institute	7th - 12th
Science & Math	Vidyarthi Vigyan Manthan (VVM)	Vijnana Bharati (VIBHA), NCERT, NCSM	6th - 11th
Environment	TERI Green Olympiad	The Energy & Resources Institute (TERI)	4th - 12th
Informatics	Zonal Informatics / Computing Olympiad (ZIO / ZCO)	IARCS	Up to 12th
STEM Aptitude	KAMP-NASTA	CSIR	3rd - 12th
STEM Outreach	Techkriti	IIT Kanpur	6th - 12th

Note: Eligibility ranges shown are as prescribed by each conducting body. Class24 mentors help students identify and register for the Olympiads best suited to their class and interest area.

Section 2

Subject-wise Syllabus Coverage

Core chapters covered across Physics, Chemistry, Biology and Mathematics for the Sub-Junior Program batch, aligned with school curriculum and extended for Olympiad-level problem solving.

PHYSICS

1. Measurement and Motion
2. Light, Shadows and Reflection
3. Electricity and Circuits
4. Chemical Effect of Electric Current
5. Force and Pressure
6. Friction
7. Sound

CHEMISTRY

1. Matter in Our Surroundings
2. Is Matter Around Us Pure
3. Coal and Petroleum
4. Combustion and Flame

Section 2 (contd.)

Subject-wise Syllabus Coverage

MATHEMATICS

1. Negative Numbers & Integers
2. Playing with Numbers
3. Fractions
4. Decimals
5. Basic Geometrical Ideas
6. Understanding Elementary Shapes
7. Ratio, Proportion and Unitary Method
8. Percentage
9. Profit & Loss and Discount
10. Simple Interest and Compound Interest
11. Mensuration
12. Algebraic Expressions, Identities and Factorisation

BIOLOGY

1. Reproduction in Plants
2. Living Organisms and Their Surroundings
3. Nutrition in Plants
4. Nutrition in Animals
5. Weather, Climate and Adaptations
6. Soil
7. Microorganisms
8. Conservation of Plants and Animals

This syllabus map is used to design weekly modules, doubt-clearing sessions and Olympiad-specific practice sets for the Sub-Junior Program batch, ensuring every topic connects school learning to competition-level problem solving.