SYLLABUS AND MARKING SCHEME FOR SOF OLYMPIADS

GRADE 3

About International Mathematics Olympiad (IMO)

One of the popular Math Olympiad, conducted by SOF, the **IMO** is conducted at two levels

Level 1: The first level of the exam is organized in the respective schools of the participants during school hours only.

- The Level 1 exam is an objective-type test having duration of 60 minutes comprising of 35 objective-type questions for classes 1 to 4 and 50 objective-type questions for classes 5 to 12.
- The exam consists of four sections:
  Section-1: Logical Reasoning
  Section-2: Mathematical Reasoning
  Section-3: Everyday Mathematics
  Section-4: Achievers Section
- There are separate question papers for each and every class.
- The medium of the exam is English.
- CBSE, ICSE/ISC and other State Board syllabus is followed for the setting of test papers.
- The exam is conducted during school hours only

Level 2: The Level 2 is conducted for students of classes 3 to 12. The qualifiers to second round would include the following:

- Top 5% of candidates class wise that appear for the 1st level exam. Due weightage to marks scored in different sections will be given. Each section is accorded with a separate weightage.
- Zone wise top 25 rank holders class wise.
- Class topper where at least 10 students from a class appear in the exam & have scored 50% qualifying marks.

SOF IMO Syllabus and Marking Scheme

Class	Section	No. of Questions	Marks/Question	Total Marks
1 to 4	Logical Reasoning	10	1	10
	Mathematical Reasoning	10	1	10
	Everyday Mathematics	10	1	10
	Achievers Section	5	2	10
	Grand Total	35		40
5 to 12	Logical Reasoning	15	1	15
	Mathematical Reasoning	20	1	20
	Everyday Mathematics	10	1	10
	Achievers Section	5	3	15

CLASS 3

Section – 1 : Patterns, Analogy and Classification, Alphabet Test, Coding-Decoding, Ranking Test, Grouping of Figures and Figure Matrix, Mirror Images, Geometrical Shapes, Embedded Figures, Days and Dates & Possible Combinations.

Section – 2 : Numerals, Number names and Number Sense (4-digit numbers), Computation Operations, Fractions, Length, Weight, Capacity, Temperature, Time, Money, Geometry, Data Handling.

Section – 3 : The Syllabus of this section will be based on the Syllabus of Mathematical Reasoning.

Section – 4 : Higher Order Thinking Questions - Syllabus as per Section – 2.

DETAILED SYLLABUS

GRADE 3

Online Math Olympiad Class Syllabus for Grade 3

Olympiads are the stepping stones to achieve better results in the competitive world that lies ahead in the life of the child. Math Olympiad examinations help students to improve their mathematical skills along with their analytical and problem solving abilities.

Hence, Olympiad Success Live has designed the course for Math Olympiad for class 2 in such a way that the foundation of the child is built up. For this, we have done great efforts in finding the tutor for class 2 Math Olympiad with relevant background and experience.

If you are interested in purchasing this course, then please Enrol Now. You will be redirected to the batch detail page, wherein you can see all the details like batch start and demo dates, fess and the registration link related to Math Olympiad for class 2 course.

Syllabus

Numerals, Number Name and Number Sense

- Even and odd numbers
- Comparison of numbers and arrange them in ascending and descending order
- Number names and their numerals (Up to 4-digits)
- To make greatest and smallest numbers using the given digits
- Successor and predecessor
- Roman numerals
- Place value and face value
- Indian place value chart and International place value chart

Computation operations

- Addition and subtraction of numbers (Up to 4-digits)
- Multiplication and division of numbers

Fractions

- Fraction on the number line
- Comparison of fractions
- Equivalent fractions

- Addition and subtraction of fraction with same denominator
- Addition and subtraction on the number line
- Fraction of collections of objects

Money

- Conversion of rupees into paise and vice versa
- Addition and subtraction of money
- Multiplication and division of money

Length and Weight

- Length
    - Conversion of length (m-cm-km)
    - Addition and subtraction of length
    - Multiplication and division of length
- Weight
    - Conversion of weight (mg-g-kg)
    - Addition and subtraction of weight
    - Multiplication and division of weight

Capacity and Quantity

- Conversion of volume and capacity (ml-l-kl)
- Addition and subtraction of volume and capacity
- Multiplication and division of volume and capacity

Time

- The clock
- Conversion of time
- Addition and subtraction of time
- Day, month and year
- Calendar

Geometry

- Definitions of line, point and line segment
- Plane figures and solid shapes
- Faces, edges and corners

Temperature

- Understanding temperature in degree Celsius
- Estimate and measure temperature in degree Celsius
- Addition and subtraction of temperature

International English Olympiad (IEO)

We help students of class 1 to 10 in preparation of SOF IEO exam and courses through sample question and practice papers.

About International English Olympiad (IEO)

The exam is a written objective-type test having a duration of 60 minutes comprising 35 objective-type questions for classes 1 to 4 and 50 objective-type questions for classes 5 to 12.

SOF IEO Syllabus and Marking Scheme

Class	Section	No. of Questions	Marks/Question	Total Marks
1 to 4	Word & Structure Knowledge	30	1	30
	Reading			
	Spoken & Written Expression			
	Achievers Section	5	2	10
	Grand Total	**35**		**40**
5 to 12	Word and Structure Knowledge	45	1	45
	Reading			
	Spoken and Written Expression			
	Achievers Section	5	3	15
	Grand Total	**50**		**60**

CLASS 3

Section – 1: Word Power: Homophones, Collocations, Spellings, Words related to animals, Household things, Clothes, Basic emotions, Food, Animals and Pets, etc. Synonyms and antonyms, Gender, Number, Proverbs, One Word, Nouns, Pronouns, Verbs, Adverbs, Adjectives, Articles, Prepositions, Simple Tenses, Conjunctions and Punctuation, Basic Questions etc.

Section – 2: Search for and retrieve information from various text types like stories, Anecdotes, etc. Understand information through pictures, Time-table format, etc., acquire broad understanding of and look for specific information in short texts like messages, Invitations, etc.

Section – 3: Ability to understand situation-based variations in functions like apology, greeting, introduction, request, etc.

Section – 4: Higher Order Thinking Questions - Syllabus as per Sections 1, 2 and 3.

IEO detailed Syllabus

Chapter 1 -- Assorts

Word Power & Jumbled Words and Sentence Creation: Homophones, Collocations, Spellings, Words related to animals, household things, clothes, basic emotions, food, animals, pets, etc.

- Palindromes
- Words that sound alike but have different meaning
- Compound words
- Vocabulary development/ Vocabulary in context appropriate to the age level e.g. prefixes and suffixes.
- Similes
- Interjections
- Alphabetical order with words beginning with the same letter/ Sequencing through an alphabetical order (first two letters of the words)

Chapter 2 -- Synonyms and Antonyms

- Antonyms and Synonyms
- Choose the synonym
- Which sentence has the same meaning?
- Find synonyms in context
- Choose the antonym
- Which sentence uses an antonym?
- Find antonyms in context

Chapter 3 -- Gender and Relations

- Gender
- Relations

Chapter 4

Proverbs and Phrase Pairs

Chapter 5 -- Singular-Plural and One Word Substitution

- Regular and irregular and plural nouns

Chapter 6 -- Nouns and Pronouns

- common, proper, collective nouns
- Use of is, am, are, was, were
- Subject and predicate
- Singular possession
- Difference between plurals and possessives
- Which word is a noun?
- Identify nouns
- Identify nouns – with abstract nouns
- Identify common and proper nouns
- Form regular plurals with -s, -es and -ies
- Use regular plurals with -s, -es and -ies
- Is the noun singular or plural?
- Form and use irregular plurals
- Identify plurals, singular possessives and plural possessives
- Form the singular or plural possessive
- Identify and correct errors with plural and possessive nouns
- Identify personal pronouns
- Choose between subject and object personal pronouns
- Replace the noun with a personal pronoun
- Compound subjects and objects with ""I"" and ""me""
- Identify possessive pronouns
- Use possessive pronouns
- Choose between personal and reflexive pronouns
- Use reflexive pronouns

Chapter 7 -- Verbs and adverbs

- Introduction to the concept of auxiliary verbs; Creative writing based on the correct usage of three forms of the verb
- Main verbs - base, past and past participle form
- Introduction of Adverbs- words that add more to a verb, adjective, another adverb
- Use action verbs
- Identify action verbs
- Identify main verbs and helping verbs
- Is the subject singular or plural?
- Use the correct subject or verb
- Pronoun-verb agreement
- Which sentence is in the regular past tense?
- Identify verbs in the regular past tense
- Form and use the regular past tense
- Identify the irregular past tense I
- Identify the irregular past tense II
- Form and use the irregular past tense
- To be: use the correct form
- To have: use the correct form
- Is the sentence in the past, present or future tense?
- Change the sentence to future tense

Chapter 8 -- Adjectives

- Adjectives- quality, quantity (number), shape, color
- Degrees of adjectives
- Does the adjective tell you what kind or how many?
- Identify the adjective that describes the noun
- Identify adjectives
- Does the adverb tell you how, when or where?
- Identify adverbs
- Choose between adjectives and adverbs
- Is the word an adjective or adverb?
- Use adjectives to compare
- Spell adjectives that compare

- Use adverbs to compare

Chapter 9 -- Articles and Prepositions

- Articles (a and an, the)/ Definite and indefinite articles and their appropriate use.
- Prepositions- place, time, direction

Chapter 10 -- Simple Tenses - Present and Past

- Indirect and direct speech
- Simple tenses (past, present, future)

Chapter 11 -- Conjunctions and Punctuations

- Punctuation (capital letters, full stop, comma, question mark)
- Recapitulation of punctuation (capital letters, full stop, comma, question mark) and inclusion of sign of exclamation
- Conjunctions - and, but, as, because, if, so, though, although
- Use of linking words (e.g. 'because', 'and', 'also' etc.)
- Commas with direct addresses and after introductory words
- Capitalising the names of people and pets and titles of respect
- Capitalising days, months and holidays
- Capitalising the names of places and geographic features
- Greetings and closings of letters
- Capitalising titles
- Formatting titles
- Formatting and capitalising titles

Chapter 12 -- Questions and Question Tags

Chapter 13 -- Comprehension (Stories and Poetry): Search for and retrieve information from various text types like stories, Anecdotes, etc.

- Comprehension Passage
- Developing a given outline into a story.

Chapter 14 -- Understand information through pictures, Time-table format, etc.

- Picture composition

Chapter 15 -- Spoken and Written Expressions: Acquire broad understanding of and look for specific information in short texts like messages, Invitations, etc.

- Letter writing: understand and use the format of informal letters.

- Write a simple letter (to a parent, friend, relative etc.
- Creative Writing: dialogues
- Paragraph writing of approximately 100 words with one central idea that introduces a topic

Chapter 16 -- Spoken and Written Expression: Ability to understand situation-based variations in functions like apology, greeting, introduction, request, etc.

National Science Olympiad (NSO)

About National Science Olympiad (NSO)

NSO is conducted at two levels:

Level 1: The first level of the examis organized in the respective schools of the participants during school hours only.

- The level 1 exam is an objective-type test having a duration of 60 minutes and comprising 35 objective-type questions for classes 1 to 4 and 50 objective-type questions for classes 5 to 12.
- The exam consists of three sections for classes 1 to 10:

  Section-1: Logical Reasoning

  Section-2: Science

  Section-3: Achievers Section

Level 2: The level 2 is conducted for students of classes 3 to12. The qualifiers to second round would include the following:

- Top 5% of candidates class wise that appear for the 1st level exam. Due weightage to marks scored in different sections will be given. Each section is accorded with a separate weightage.
- Zone wise top 25 rank holders class wise.
- Class topper where at least 10 students from a class appear in the exam & have scored 50% qualifying marks.

SOF NSO Syllabus and Marking Scheme

Class	Section	No. of Questions	Marks/Question	Total Marks
1 to 4	Logical Reasoning	5	1	5
	Science	25	1	25
	Achievers Section	5	2	10
	Grand Total	35		40
5 to 10	Logical Reasoning	10	1	10
	Science	35	1	35
	Achievers Section	5	3	15
	Grand Total	50		60

CLASS 3

Section – 1: Patterns, Analogy and Classification, Coding-Decoding, Mirror Images, Embedded Figures, Alphabet Test, Ranking Test, Grouping of Figures, Figure Matrix, Geometrical Shapes, Days and Dates & Possible Combinations.

Section – 2: Plants and Animals, Birds, Food, Housing and Clothing, Transport and Communication, Human Body, Earth and Universe, Matter and Materials, Light, Sound and Force, Our Environment.

Section – 3: Higher Order Thinking Questions - Syllabus as per Section – 2.

NSO Detailed Syllabus

Olympiads are the steppingstones to achieve better results in the competitive world that lies ahead in the life of the child. Science Olympiad examinations help students to improve their analytical and problem-solving abilities.

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Plants and Animals

- Living and Non–living things in the surroundings
    - Examples of living and non-living
    - Features of living and non-living
    - Difference between living and non-living
- Parts, structure and function of each part of plant: (Root, stem, leaf flower and fruit)
- Structure and kind of seeds
- Function of Leaves - photosynthesis, seasonal shedding, usefulness of leaves, Preparing manure the natural way
- Germination of seeds
    - Process of germination, need of water, air, warmth for germination
- Plants as herbs, shrubs, trees and climbers and their examples
- Parts of plants used as food items: Leaves, roots fruits, seeds, flowers
- Plant products such as oil, spices, pulses and other edible things (medicinal leaves, seeds)
- Animals their food and home
    - Homes of animals
    - Feeding and eating habits of some animals
    - Food chain
- Different types of animals - Similarities, dissimilarities, habitat of animals, crawling animals, flyers and insects
- Common Insects: Ants, beetles, bees, flies, mosquitoes, butterfly, body parts of an insect- head, thorax, abdomen, legs, wings, life cycle of a butterfly, some social insects (ants, bees) at home and in the environment, harmful effects of insects (mosquitoes, termites, lice, cockroaches, houseflies, bedbugs), remedies

Birds

- Common birds, local/Indian
- Classification of birds on the basis of their beaks, nests, sounds and claws
- How birds fly
- Food habits of birds
- Nests of some interesting birds (weaver, tailor, woodpecker birds)
- Some other interesting facts about birds (eggs, sounds, habitat)
- Bird bath and care for animals

Food

- Sources of food - plants and animals food pyramids
- Balanced diet and nutrients – its importance
- Significance of food for various age groups – milk, vegetables, pulses, cereals, etc

Housing and Clothing

- Features of good house and clean house
- Fibres: Natural fibre, Plant fibre, animal fibre, man-made fibre
- Clothes and seasons

Transport and Communication

- Identifying different parts of a vehicle
- Example of force and motion in our daily life – push, pull
- Inventions in the field of Science and Technology related to communication
- Fuel and its use

Human Body

- Internal organs of the human body: General structure, location and functions of the different internal organs
- External organs of the human body
- Respiratory system
    - Parts/organs of the respiratory system, (nose, windpipe, lungs) and their functions, process (inhale & exhale) of breathing
    - Diagram and labelling of organs of the respiratory system
    - Simple process of deep breathing
    - Working model of the respiratory system
- What is our body made up of?
- Organ systems
    - Skeletal system
    - Muscular system
    - Digestive system
    - Breathing system
    - Circulatory system
    - Nervous system
    - Excretory system
    - Reproductive system

- Air Pollution - Causes and problems
- Description of sense organs
- Diseases and symptoms

Earth and Universe

- Understanding Space – comets, meteors and asteroids
- Effects of global warming on the earth
- Earth:
    - Shape of the earth
    - Movements of the earth: Rotation and revolution
    - Earth as a magnet
- The heavenly bodies
    - The sun and its family
    - Moon: Phases of moon, Surface of the moon
    - Stars
    - Constellations
- Why do planets appear bright?
- What makes life possible on Earth?
- How are days and nights formed?

Matter and Material

- Forms of Matter: Solids, liquids, and gases
    - a) Examples of solids and their properties
    - b) Examples of liquids and their properties
    - c) Examples of gases and their properties
    - d) Uses of matter
- Change of state

Light, Sound and Force

- Luminous and non-luminous objects
- Shadow: Length of shadow
- Sound
- Noise
- Force: Friction, gravitation, muscular, etc

Our Environment

- Importance of rain and rain water harvesting
- Three forms of water, condensation and evaporation
    - Water Purification
    - Water cycle
- Seasons
- Weather: Windy days, Cloudy days, Rainy days, Sunny days
- Water impurities: types and causes
- What does air contain?
- Physical Properties of water (occupy space, take shape of the container)
- Water and water solutions: Conditions that affect making of a solution (stirring, warm water)
- Common soluble and insoluble substances in water (simple experiments): Objects that float, sink in water (through simple activities)
- How is soil formed?
- Layers and uses of soil
- What does soil contain?
- Types of soil: Sandy soil, clayey soil, loam

REASONING –

Syllabus

- Patterns
- Analogy and Classification
- Mirror Images and Water Images
- Direction Sense Test
- Ranking Test, Alphabet Test and Logical Sequence of Words
- Puzzle Test
- Coding - Decoding
- Geometrical Shapes and Solids
- Embedded Figures
- Days and Dates & Possible Combinations