香 港 資 優 教 育 學 苑
The Hong Kong Academy for Gifted Education
香港特別行政區政府教育局資助
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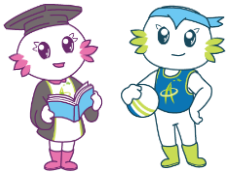


Learn about Gigi & Yoyo

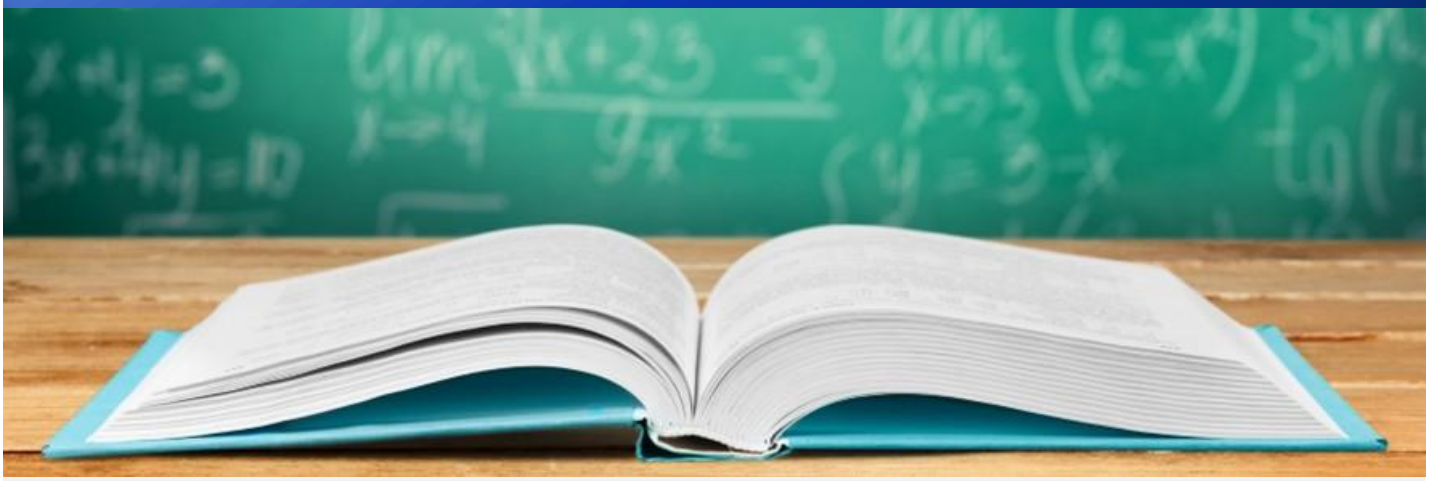
S3IMO0007C
(Token- required)

Advanced Course in Mathematical Olympiad

International Mathematical Olympiad Training 2024-25 (Phase III) Level 2

Dr Ching Tak Wing and other trainers from IMOHKC

English version only 只供英文版



Intended Learning Outcomes

Upon completion of the programme, participants should be able to:

1. broaden their mathematical knowledge in a variety of areas on the basis of senior secondary mathematics curriculum;
2. learn more about the scope of International Mathematical Olympiad Training;
3. strengthen their problem solving and higher-order thinking skills..

If student members withdraw from the programme after the Application Deadline, the token will be deducted.

Introduction

- A comprehensive mathematics programme which covers such as Algebra, Number Theory, Geometry and Combinatorics
- Introduce the basic curriculum of the International Mathematical Olympiad competition
- Broaden student's mathematical knowledge, strengthen their problem solving, higher order and logical thinking skills
- Training consists of four phases: Phase I (Jul – Aug), Phase II (Sep – Dec), Phase III (Jan – Mar 2025) and Pre-IMO Intensive training.
- Students with outstanding performance in the programme would be selected to represent Hong Kong in the 66th IMO 2025

The International Mathematical Olympiad Training programmes are co-organized with International Mathematical Olympiad Hong Kong Committee (IMOHKC)

Target Participants

- Students who attended IMO Training Phase II Selection Test 2 only

Class size: 30

This programme is the same as S3IMO007C in the school year 2023/24

Certificate

E-certificate will be awarded to participants who have:

- attended **the test held on 11 March 2025 (Tuesday)**

Medium of Instruction

Cantonese with English Handouts

Enquiries 3940 0101 programme@hkage.org.hk

Schedule

Session	Date	Topic	Time	Venue
1	Sat, 4 Jan 2025	Analysis I	14:00 – 17:00	Room 204, HKAGE
2	Sat, 11 Jan 2025	Analysis II		
3	Sat, 18 Jan 2025	Trigonometry		
4	Sat, 25 Jan 2025	Problem Solving in Geometry V		
5	Sat, 1 Feb 2025	Problem Solving in Geometry VI		
6	Sat, 15 Feb 2025	Floor and Ceiling Functions		
7	Sat, 22 Feb 2025	Problem Solving in Number Theory		
8	Sat, 1 Mar 2025	Graph Theory		
9	Sat, 8 Mar 2025	Combinatorial Games		
10	Tue, 11 Mar 2025	APMO	9:00 – 13:00	Room 105, HKAGE

Remarks:
Students **MUST ATTEND** the test held on **11 March 2025 (Tuesday).** No make-up test will be arranged.

Enquiries 3940 0101 programme@hkage.org.hk