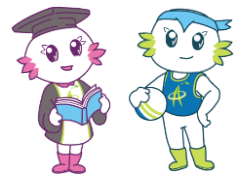




香港資優教育學苑

The Hong Kong Academy for Gifted Education

香港特別行政區政府教育局資助
Subvented by the Education Bureau, the Government of the HKSAR



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S3IM0006C

[\(Token- required\)](#)

Advanced Course in Mathematical Olympiad

International Mathematical Olympiad Training 2024-25

(Phase III) Level 1

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.

◆ 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: 60

This programme is the same as S3IM0006C 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

◆ Schedule

Session	Date	Topic	Time	Venue
1	Sat, 4 Jan 2025	Set Partitions		
2	Sat, 11 Jan 2025	Geometry VII		
3	Sat, 18 Jan 2025	Combinatorics VII		
4	Sat, 25 Jan 2025	Sequence and Series		
5	Sat, 1 Feb 2025	Combinatorics VII	14:00 – 17:00	Room 303, HKAGE
6	Sat, 15 Feb 2025	Geometry VIII		
7	Sat, 22 Feb 2025	Problem Solving in Geometry II		
8	Sat, 1 Mar 2025	Number Theory VII		
9	Sat, 8 Mar 2025	Number Theory VIII		
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.