



International Mathematics Olympiad Training

2020-21 (Phase III) Level I (E3IMO006C)

Introduction

- A comprehensive mathematics programme which covers such as Algebra, Number Theory, Geometry and Combinatorics
- Introduce the basic curriculum of the International Mathematics Olympiad competition
- Broaden student's mathematical knowledge, strengthen their problem solving, higher order and logical thinking skills
- Training consists of 3 Phases: Phase I (July – August), Phase II (Sept – Dec) and Phase III (Jan – Mar 2021)
- Students with outstanding performance in the programme would be selected as the representatives of Hong Kong in the 62nd IMO 2021

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

Programme Type / Level

Advanced Course in Mathematical Olympiad ([Token-required](#))

Instructor(s)

Dr Leung Tat Wing and other trainers

Target Participants

- NON-HKAGE Student members who
- ◆ were awarded **Honourable Mention or above in IMO Preliminary Selection Contest – Hong Kong**
- HKAGE Student members who
- ◆ were awarded **Honourable Mention or above in IMO Preliminary Selection Contest – Hong Kong** *or*
 - ◆ have been a trainee **in any phase of International Mathematics Olympiad (IMO) Training** *or*
 - ◆ have completed **any Phase of CGMO** *or*
 - ◆ have completed **any Phase of ITOM training with Distinction**

Class size: 40

Medium of Instruction

Cantonese with English handouts

Certificate

- E-Certificate** will be awarded to participants who have:
- ❖ Attended **at least 8 sessions AND**
 - ❖ **Satisfactory performance in ALL assessments**

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. Strengthen their problem solving and higher-order thinking skills.

Application Deadline

14 Dec 2020
12 n.n.

Application Result Release Date

18 Dec 2020

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

Schedule

Session	Date	Time	Topic	Trainer	Venue (HKAGE)
1	9 Jan	2:00 p.m. – 5:00 p.m.	Number Theory V (Vieta Flips and Infinite Descent)	L T Chan	Online teaching
2	16 Jan		Number Theory VI	L T Chan	
3	23 Jan		Combinatorics VI	K H Law	
4	30 Jan		Combinatorics VII	K H Law	
5	6 Feb		Geometry VIII	K K Kwok	
6	20 Feb		Geometry IX	K K Kwok	
7	27 Feb		Set Partitions	C M Hung	Room 105
8	6 Mar		Algebraic Identities and Transformations	C M Hung	Room 303
9	9 Mar		9:00 a.m. – 1:00 p.m.	APMO	T W Leung

Remarks:

Students **MUST ATTEND** the test **Asian Pacific Mathematics Olympiad (APMO)** held on **9 Mar 2021**. No make-up test will be arranged.

Enquiries

For enquiries, please contact Academic Programme Development Division on 3940 0101 after language selection, press "1".