



E2IM0001C

(Token- required)

CGMO Training Course

CGMO Training 2022 (Phase II)

Dr Ching Tak Wing and other trainers



**For students
recommended by the
International
Mathematical Olympiad
Hong Kong Committee
ONLY**

Intended Learning Outcomes

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

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



◆ Introduction

- An introductory to advanced level comprehensive mathematics programme which covers a wide range of topics
- Broaden students' mathematical knowledge and strengthen their problem-solving skills
- Consists of 3 phases
- Outstanding students in the programme will represent Hong Kong in China Girls Mathematical Olympiad (CGMO) 2022 held in summer

This programme is co-organized with International Mathematical Olympiad Hong Kong Committee (IMOHKC)

◆ Schedule

Session	Date	Time	Venue
1	14 May	9:00 a.m. – 12:30 p.m.	Room 204, HKAGE
2	28 May		
3	4 Jun		
4	11 Jun		
5	18 Jun		
6	25 Jun		
7	2 Jul		
8	9 Jul		Room 203, HKAGE
9	16 Jul (Test)		Room 303, HKAGE

- For any assessment to be held in the programme, **no make-up** will be arranged.

◆ Target Participants

- Student who have completed CGMO Training 2022 (Phase I) (E1IM0007C) and recommended by the International Mathematical Olympiad Hong Kong Committee ONLY

◆ Medium of Instruction

Cantonese with English handouts

◆ Certificate

E-Certificate will be awarded to participants who have:

- attended **at least 7 sessions**; and
- completed all the assignments with satisfactory performance



◆ Appendix - IMO-related Programmes

- IMO-related programmes is a series of programmes that provide International Mathematics Olympiad (IMO) related training. It aims to equip students with the mathematics knowledge and curriculum of IMO, problem solving skills, and high-order thinking skills progressively.
- The programmes are divided into three levels: Introductory, Intermediate, and Advanced level.
- There are different enrollment methods, e.g. aptitude test. For details, please refer to each programme's poster

Introductory Level

Maths Ignition (MI) Programmes

- For S1-S3 HKAGE student members
- Introductory training in Olympiad Math by topics
- Application for five MI programmes will be open in Apr, Jul & Oct each year
- Enroll through aptitude test

Introductory to Intermediate Level

Introduction to Olympiad Mathematics (ITOM)

- For S1-S6 HKAGE student members
- Two phases of training in Olympiad Math
- Application will be open in Jan each year
- Enroll through aptitude test
- Students who have completed at least 2 MI programmes could enroll directly

Introductory to Advanced Level

China Girls Mathematics Olympiad (CGMO) Trainings

- For S1-S6 HKAGE female student members
- Three phases of training in Olympiad Math
- Application will be open in Jan each year
- Enroll through aptitude test
- CGMO HK Team members will be selected based on their performance in the trainings

Advanced Level

International Mathematics Olympiad (IMO) Trainings

- For all awardees of IMO Preliminary Selection Contest - Hong Kong; OR
- students who got the certificate of distinction in any phases of ITOM training; OR
- Students who have completed any phases of CGMO training
- Three phases of advanced training in Olympiad Math
- IMO HK Team members will be selected based on their performance in the trainings and IMO Preliminary Selection Contest - Hong Kong

*Detail flowchart and timeline, please refer to this [LINK](#).

