香 港 資 優 教 育 學 苑
The Hong Kong Academy for Gifted Education

International Mathematics Olympiad Training 2016-17 (Phase II) Level I (MATS2132)

Introduction	• A comprehensive mathematics programme which covers areas 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 2017) • Students with outstanding performance in the programme would be selected as the representatives of Hong Kong in the 58th IMO 2017 held in Brazil
Programme Type / Level	Intermediate Course in Mathematical Olympiad (Token-required)
Instructor(s)	Dr. Leung Tat Wing and other trainers Co-organized with International Mathematical Olympiad Hong Kong Committee (IMOHKC)
Target Participants	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 * Selection will be based on students' performance in the past IMO trainings
Medium of Instruction	Cantonese (Supplemented by English) with English handouts
Certificate	**Certificate** will be awarded to participants who have: ❖ Attending **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	**12 Sep, 2016**
Application Result Release Date	**15 Sep, 2016**

Student members may withdraw from the programme on or before the deadline. Otherwise, the token will be deducted.

Schedule

Session	Date	Time	Topic	Trainer	Venue (HKAGE)
1	24 Sep	2:00 p.m. – 5:00 p.m.	Elementary Number Theory III	LT Chan	Room 203
2	8 Oct		Functional Equation II	KK Kwok	
3	15 Oct		Inequality II	KK Kwok	
4	22 Oct		Geometry IV	KK Kwok	
5	**29 Oct**		**Test 2**	TW Leung	**Room 105**
6	5 Nov		Geometry V	KK Kwok	Room 203
7	12 Nov		Sequences and Series	CM Hung	
8	19 Nov		Combinatorics III	CM Hung	
9	26 Nov		Coordinate Geometry	KK Kwok	
10	**3 Dec**		**CHKMO**	TW Leung	**Room 105**

Remarks:

Students **MUST ATTEND** the tests held on **29 Oct** and **3 Dec**. No make-up test will be arranged.

Enquiries

For enquiries, please contact us at 3940 0191 or 3940 0184.