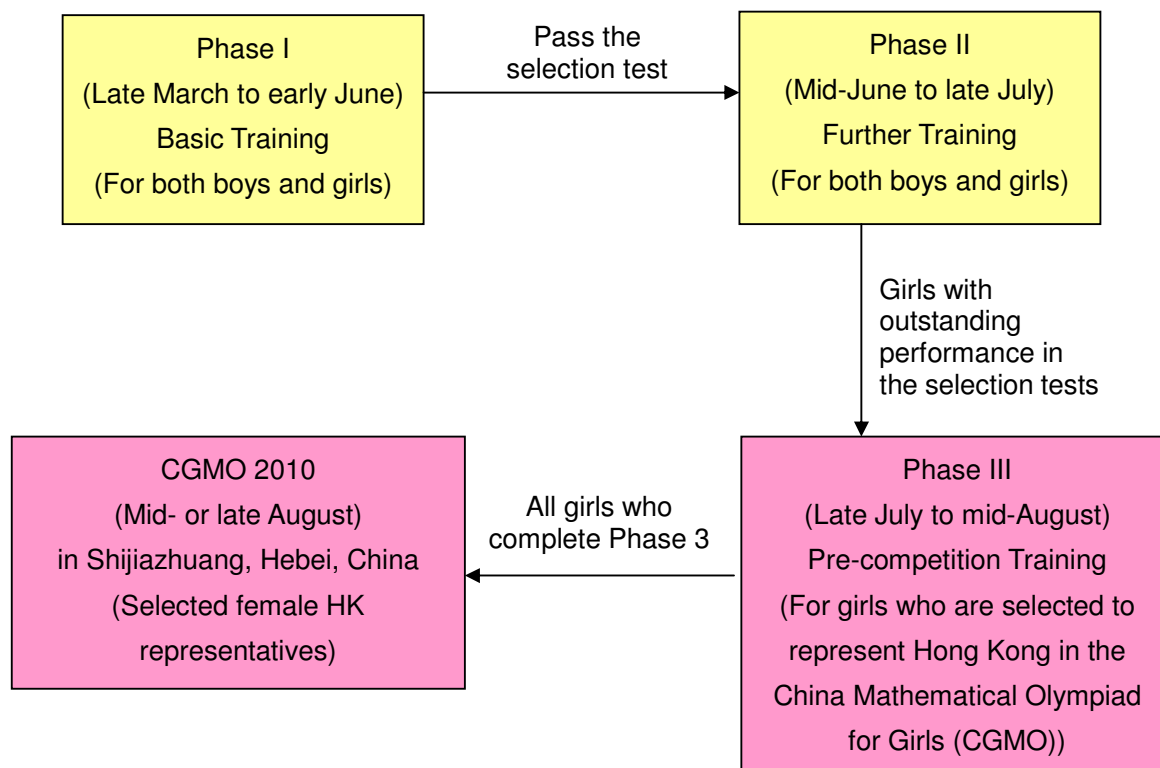




Introduction to Olympiad Mathematics 2010 (Phase I)

Course Structure



Information about Phase I of the course

Basic information

Organiser	The Hong Kong Academy for Gifted Education (HKAGE)
Tutor	The course is coordinated by Mr Law Ka Ho, committee member of the International Mathematical Olympiad Hong Kong Committee (IMOHKC)
Course Code	MAT2221
Objectives	<ul style="list-style-type: none">To train students' problem-solving skills and to broaden their horizons in mathematicsTo act as a bridge for the IMO Training CourseTo select representatives of the Hong Kong team for the China Mathematical Olympiad for Girls (CGMO) 2010



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Contents	<ul style="list-style-type: none">• Further knowledge in mathematics via extension from the regular mathematics curriculum• Common problems in mathematical competition and lines of thoughts to tackle these problems
Quota	50
Medium of instruction	Cantonese with English handouts (Problems in the selection test will be bilingual and students can choose to answer in Chinese or English)

Schedule

Date	Time	Contents	Venue
15 March (Mon)	4:00 – 6:10 pm	Screening Interview*	Kowloon Tong Education Services Centre
16 March (Tue)			
17 March (Wed)			
29 March (Mon)	4:30 – 6:00 pm	Introduction to the course	To be confirmed
7 April (Wed)	2:00 – 5:30 pm	Classes	
17 April (Sat)			
24 April (Sat)			
8 May (Sat)			
15 May (Sat)			
22 May (Sat)			
29 May (Sat)			
5 Jun (Sat)	2:00 – 5:30 pm	Selection Test	

* Applicants must choose at least two time available slots for interview. Selection of students for the course will be based on the following criteria:

- Basic Requirement: Only those who already master the necessary knowledge (see below for details) will be admitted.
- First priority: Students with potential to be selected to represent HK in CGMO 2010
- Second priority: Students who have not joined similar courses before
- Third priority: Students in the mathematics domain



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Eligibility and Application

Target Participants	Students who already master the basics of the senior secondary mathematics curriculum* (junior secondary students who satisfies this criterion may also apply)
How to apply	<ul style="list-style-type: none">• Submit the completed application form<ol style="list-style-type: none">1) by mail: E326, East Block, Kowloon Tong Education Services Centre, 19 Suffolk Road, Kowloon Tong OR2) by fax : (fax no. 2490 4730)• Complete the student data form and e-mail it to cgmo.hk@gmail.com with "Application for Introduction to Olympiad Mathematics 2010" as the title. <p>AND</p> <ul style="list-style-type: none">• Complete the student data form and e-mail it to cgmo.hk@gmail.com with "Application for Introduction to Olympiad Mathematics 2010" as the title.
Deadline	8 March 2010 (Mon)
Result Announcement	<ul style="list-style-type: none">• All applicants will be notified of the time for interview via e-mail by 12 March 2010 (Fri).• The admission results will be announced via e-mail by 22 March 2010 (Mon).• Applicants must provide the correct e-mail address during their application and check it regularly to ensure that the most updated information regarding the course can be received.
Awards	Participants who able to achieve an attendance rate of not less than 80% with satisfactory performance will award a certificate of completion.
Enquiries	<ul style="list-style-type: none">• For general enquiries, please call Project Officer Ms Kwok at 36983502• For enquiries about the arrangements of the course, or if there are any difficulties in filling in the student data form, please e-mail cgmo.hk@gmail.com

* Knowledge required:

- Quadratic Equations and Functions
- Binomial Theorem
- Mathematical Induction
- Remainder Theorem and Factor Theorem
- Arithmetic and Geometric Sequences
- Plane Geometry: Circles
- Trigonometry: Sine and Cosine Laws

Students who do not already possess knowledge of all the above topics may also apply, but must manage to learn them before the course begins.