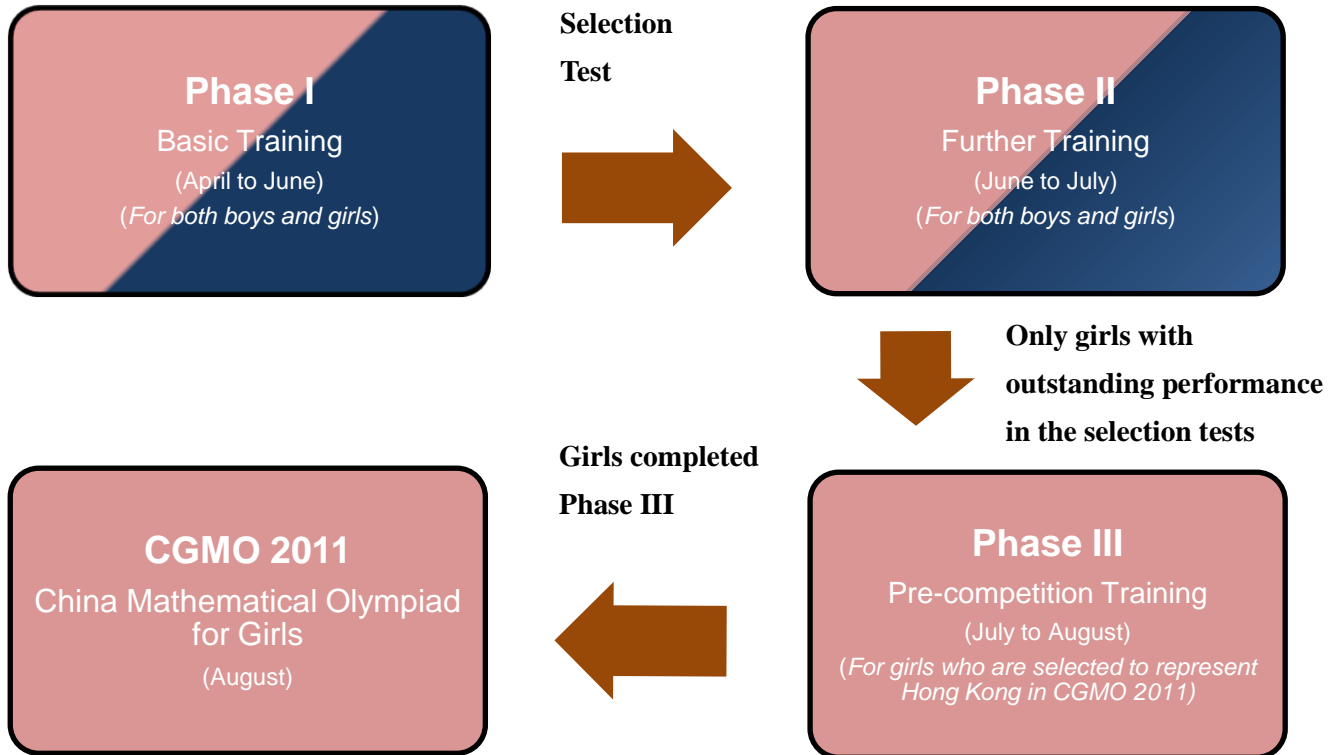




Introduction to Olympiad Mathematics 2011

Course Structure



Basic information about Phase I

Course Code	MAT1110A
Organiser	The Hong Kong Academy for Gifted Education (HKAGE)
Trainers	The course is coordinated by Dr Law Ka Ho, committee member of the International Mathematical Olympiad Hong Kong Committee (IMOHKC)
Objectives	<ul style="list-style-type: none"> ✧ To enhance students' problem-solving skills and to broaden their horizons in mathematics ✧ To act as a bridge to the IMO Training Courses ✧ To select the Hong Kong team for the China Mathematical Olympiad for Girls (CGMO) 2011
Contents	<ul style="list-style-type: none"> ✧ Further knowledge in mathematics via extension from the regular mathematics curriculum ✧ Common problems in mathematical competitions and solving techniques
Quota	50
Medium of instruction	Cantonese with English handouts (Selection tests are bilingual and students can choose to answer in either Chinese or English)



香港資優教育學院

The Hong Kong Academy for Gifted Education

Schedule

Date	Time	Activity	Venue
*Late March 2011	16:00 – 18:00	Screening Interview	KTESC
6 April 2011	17:00 – 18:00	Introductory Session	KTESC
9 April 2011	14:00 – 17:30	Main Classes	KTESC
27 April 2011	14:00 – 17:30		
30 April 2011	14:00 – 17:30		
7 May 2011	14:00 – 17:30		HKPC
14 May 2011	14:00 – 17:30		
21 May 2011	14:00 – 17:30		
28 May 2011	14:00 – 17:30		
4 June 2011	14:00 – 17:30		Selection Test

* Applicants will be asked to choose at least three available time slots for potential screening interview in the online application form.



Eligibility and Application

Target Participants	<p>Students who has mastered the basics of the senior secondary mathematics curriculum* (junior secondary students who satisfies the criterion may also apply) – Applicants are required to answer a series of mathematics questions in the online application form.</p> <ul style="list-style-type: none">✧ First priority: Students members with potential to be selected to represent HK in CGMO 2011✧ Second priority: Students members who have not joined similar courses before✧ Third priority: Student members in the mathematics domain <p>Note: Boys who have joined this course or the IMO training before will not normally be accepted</p>
Application & Deadline	<p>Students should complete the <u>Online Application Form</u> on or before 20 March 2011 (Sunday).</p>
Result Announcement	<ul style="list-style-type: none">✧ List of applicants accepted for screening interviews will be posted to the HKAGE's website http://hkage.org.hk on 22 March 2011 (Tuesday)✧ Applicants will be notified of interview arrangements via e-mail✧ The final admission results will be announced via e-mail by 4 April 2011 (Monday)✧ It is the applicant's responsibility to provide the correct e-mail address during the application and check his/her e-mail regularly to ensure that the most updated information regarding the course can be received
Awards	<p>Participants who are able to achieve an attendance rate of not less than 80% with satisfactory performance will be awarded a certificate of completion.</p>
Enquiries	<p>Please contact Mr. William Ng on 3698 3498, or Mr. Masky Ng on 3698 3502.</p>

* **Basic knowledge includes:**

- 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