



香港資優教育學院
The Hong Kong Academy for Gifted Education

Mathematics Course (MAT9130A)

Mathematics in 18 Lessons 2011

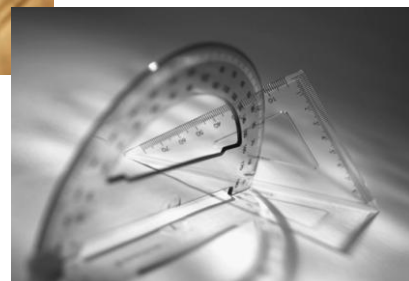
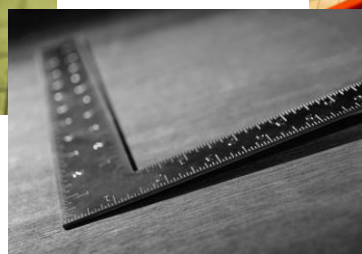
Phase III

Service Provider:



香港科技大學
THE HONG KONG UNIVERSITY OF
SCIENCE AND TECHNOLOGY

Mathematics in 18 Lessons 2011 is a basic mathematics training for student members of “The Hong Kong Academy for Gifted Education (HKAGE)”. The training is divided into three phases for different topics, but of similar levels. It aims to develop participants’ critical thinking skills, and enhance their knowledge of basic geometry and algebra. Phase III is now open for application.



Programme Details

Date & Time	Please refer to "Programme Schedule"
Target Participants	S.3 or above student members of the HKAGE *Priority will be given to student members in Mathematics Domain
Class Size	50
Medium of Instruction	Cantonese, supplemented with notes in English
Course Requirement	Certificate of Completion will be awarded to participants who are able to fulfill all the course requirements which include: ❖ Achieving an attendance rate of over 80% (at least 5 sessions) AND ❖ Completing all assignments
Intended Learning Outcomes	Upon completion of the programme, participants should be able to: 1. broaden their mathematical knowledge in the topic of algebra on the basis of junior secondary mathematics curriculum; 2. understand the history of algebraic equations; 3. acquire the techniques in solve cubic and quartic equations.
Course Fee	Free
Application Procedure & Deadline	❖ Students should complete and submit the Online Application Form on the website: http://hkage.org.hk/en/sz_programmes.html on or before 22 Sept. 2011 . Late application will not be considered. ❖ The application result will be announced via email to the student members by 26 Sept. 2011 (Mon) . Those who have not received the email by the specified date should contact the HKAGE by phone. ❖ Successful applicants should complete the " Confirmation Slip " attached to the result announcement email and fax/mail it to the HKAGE on or before 30 Sept. 2011(Fri) . ❖ Applicants on the waiting list will be notified via email or phone after 3 Oct 2011 (Mon) . Otherwise, no further notice will be given.
Enquiry	For enquiries, please contact Mr. Li at 3698 3498 or Mr. Shing at 3698 3499.

Programme Schedule

Session	Date	Time	Venue	Topic
1	8 Oct	10:00 am - 12:30 pm	HKUST (Exact venue to be announced)	1. What is Algebra?
2	15 Oct			2. Elementary number theory
3	22 Oct			3. Brief history of algebraic equations
4	29 Oct			4. Solving cubic and quartic equations
5	5 Nov			5. Brief overview of the Lagrange resolvent and the non-existence of solution formula for a general quintic equation
6	12 Nov			