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

GEOMETRY II (MAT0220)

Introduction	This online course extends the discussion in "Geometry I" with more geometric problems of antiquity. The focus is on the constructibility of numbers and regular polygons, as well as the three classical problems in Greek mathematics.
Programme Type / Level	Online Learning Programme in Mathematics (Level 2) (Non Token-required)
Writer	Dr. KU Yin Bon
Target Participants	➢ S1 to S6 HKAGE student members * Students who fail the online programme can enrol in it again in the next quarter. (Quarter ONE: 2 April – 30 June; Quarter TWO: 2 July – 30 Sep; Quarter THREE: 2 Oct – 30 Dec; Quarter FOUR: 2 Jan – 30 Mar).
Medium of Instruction	English
Intended Learning Outcomes	Upon completion of the programme, participants should be able to: 1. Demonstrate their understanding of the concept of constructibility of numbers and polygons; 2. Recall some classical geometric construction problems such as the three classical problems; and 3. Apply Gauss' theory to determine the constructibility of regular polygons.
Duration	12 hours
System Requirement	Browser: IE 8 OR above; Firefox 6 OR above; Safari Screen resolution: 1024x768
Application Procedure	1. Click "HERE" to go to online application platform 2. Complete and submit the online application form 3. You and your parent will receive the Online Application Confirmation email from our system 4. Click "HERE" to access to the moodle platform 5. Use the USERNAME and PASSWORD indicated in the email to login 6. You may start now!
Remarks	● You have to pass the online test in order to complete the course by attempting **ONCE** only. ● A tick next to an activity name may be used to indicate when the activity is complete. If a box with a solid border is shown, please click it to tick the box when you think you have completed the activity. (Clicking it again removes the tick if you change your mind.)
Enquiries	For enquiries, please contact us at 3940 0101.