




Creative Geometry with GeoGebra (MATP1331)


Introduction GeoGebra is a dynamic mathematics software that brings together geometry, algebra, spreadsheets, graphing, statistics and calculus in one package. It is very popular with students and teachers around the world. This programme is designed to develop geometric thinking and cultivate creativity and problem-solving skill through graphing and constructing geometric figures by using GeoGebra.


Programme Type / Level Across Domains and Interdisciplinary Course (Level 1) ([Token-required](#))


Instructor(s) Mr OR, Chi Ming Anthony, GeoGebra Institute of Hong Kong

Pre-requisite No special prerequisites are needed


Target Participants  P4 to P6 HKAGE student members
Class size: 30

Medium of Instruction  Cantonese with Chinese and English Handouts

Certificate  **Certificate** will be awarded to participants who have:
Attended **AT LEAST 3** sessions AND
Completed all the assignments with satisfactory performance

Intended Learning Outcomes  Upon completion of the programme, participants should be able to:

- Draw and construct simple geometric figures using the tools of GeoGebra;
- Observe and explore the properties of geometric figures using the tools of GeoGebra;
- Develop creativity in designing geometric patterns by using the tools and the commands of GeoGebra.

Screening  Please answer the screening question in the online application form.
*The screening question is designed to help the applicant understands the course level and the course content. The question must be answered by the student applicant and it can only be attempted once. The answer cannot be changed once the application is submitted. Selection is based on students' performance in answering the question. Only students who can demonstrate learning motivation and interested in Geometry and Algebra in the screening question can be enrolled in the programme.

Application Deadline **4 Nov, 2019** **12:00n.n** **Application Result Release Date** **15 Nov, 2019**

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

Schedule	Session	Date	Time	Venue
	1	4 Jan 2020	2:00p.m. – 5:00p.m.	*Hong Kong Productivity Council (HKPC)
	2	11 Jan		
	3	18 Jan		
	4	4 Feb	2:00p.m. – 5:00p.m.	* HKICC Lee Shau Kee School of Creativity
		13 Jun	9:00a.m. – 12:00n.n.	Computer Room

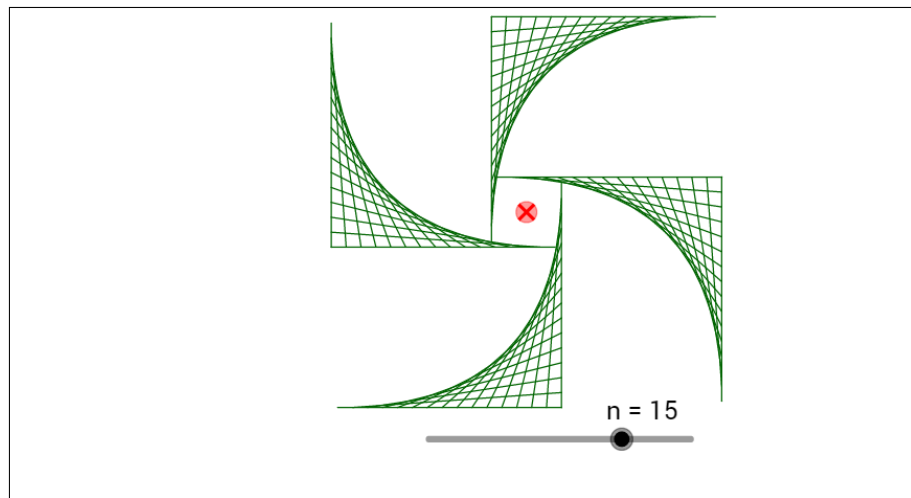
Sample Examples for the Programme



Task 4.3

Construct the following figure.

Save your file in the name "4.3_*yourname*.ggb", where *yourname* is your name in English. Send your file with the other answers of this session to geogebra.hk@gmail.com titled "MATP1331 Lesson 4 Answers".



Reference List

1. GeoGebra Tube
<https://www.geogebra.org/materials>
2. GeoGebra Institute of Hong Kong(GIHK)
<http://www.geogebra.org.hk/>



For enquiries, please contact us at 3940 0101 after language selection, press "1".

Enquiries