



Perspectives on

Junior Secondary Mathematics - Geometry (MATP2311)

Introduction

Do you want to inquire advanced mathematics knowledge step by step? Mathematics knowledge is built from foundation. This programme teaches the key geometric knowledge at junior secondary levels in a succinct way to equip participants with the basic knowledge required for learning mathematics at an advanced level. It enables participants to learn mathematics at higher levels according to their own interests and abilities, and discover the joy of learning mathematics.

This is one of the programme in the **Subject Core Series** which is comprised of four level 1 programmes. They are namely

1. Numbers (MATP2411)
2. Algebra (MATP2211)
3. Geometry (MATP2311)
4. Probability and Statistics (MATP2711)

This programme is co-organized with Caritas Fanling Chan Chun Ha Secondary School.

Programme Type / Level

Geometry and Topology Course (Level 1) (**Token-required**)

Instructor(s)

Mr. Lo Yat Lung
(Caritas Fanling Chan Chun Ha Secondary School, Mathematics Teacher)

Pre-requisite

Students should have the basic knowledge in

- angles related with lines and rectilinear figures
- angles in triangles and polygons
- solving equations
- square root
- determining the type of quadrilaterals

Target Participants



- P4 to P6 HKAGE student members
- Class size: 30

Medium of Instruction



Cantonese with Chinese handouts

Certificate



E-Certificate will be awarded to participants who have:

1. attended **AT LEAST 3** sessions AND
2. completed all the assessments with satisfactory performance

Intended Learning Outcomes



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

- identify whether 2 triangles are congruent/similar with simple reasons;
- using congruent/similar triangle to prove the properties of quadrilaterals;
- identify different types of centers in triangle, prove the properties of those centers by the concept of congruent /similar triangles;
- inquire geometry knowledge in 2-D space using trigonometric relations;
- inquire, describe and represent geometric knowledge in 2-D figures using numeric and algebraic relations.

Screening



Please answer the screening question in the online application form.

*The screening question is designed to help the applicant understand 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 motivation and knowledge of Geometry in the screening question can be enrolled in the programme.

Application Deadline

4 May 2020,
12:00 n.n

Application Result
Release Date

15 May 2020

If student members withdraw from the programme after the Application Deadline, the token will be deducted.

Schedule



Session	Date	Time	Venue (HKAGE)
1	13 Jun	9:30 p.m.– 12:30 p.m.	Caritas Fanling Chan Chun Ha Secondary School*
2	20 Jun		
3	27 Jun		
4	4 Jul		

*Address: 28 San Wan Road, Fanling, N.T. ([MAP](#))

Enquiries

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

MATHEMATICS

數學