



A4AST002C

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Astronomy Course (Level IV)

Cosmos – An Investigative Study (Phase 2)

Instructor from Galaxy Scientific Group Limited



Application Deadline
3 Nov 2022 12:00 noon

Result Release
9 Nov 2022

Intended Learning Outcomes

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

1. explain the development of astronomical equipment;
2. build basic astronomical telescope and carry out astronomical observation;
3. identify and explain the critical factors affecting astronomical observations;
4. Identify and explain the functions of key components of astronomical telescope.



◆ Introduction

The course consists of 3 phases. During phase 2 (A4AST002C), the programme aims to provide practical experience in using mounts and telescopes; illustrate astronomy pictures and analyse them with laws of physics and mathematics and draw valid conclusions; and demonstrate special and general relativity. Calculation will be involved in the programme. At the end of all 3 phases, they will be able to conduct a research project on astronomy.

◆ Schedule

Session	Date	Time	Venue
1	19 Nov	1:00 p.m. – 4:00 p.m.	Physic Laboratory, 4/F, Buddhist Kok Kwong Secondary School*
2	19 Nov	5:30 p.m. – 8:30 p.m.	Room 303, HKAGE
3	26 Nov	1:00 p.m. – 4:00 p.m.	Physic Laboratory, 4/F, Buddhist Kok Kwong Secondary School*
4	26 Nov	5:30 p.m. – 8:30 p.m.	Room 303, HKAGE Jockey Club Sai Kung Outdoor Training Camp*/ Ma Wan Solar Tower*/ Others*
5	3 Dec	1:00 p.m. – 4:00 p.m.	Physic Laboratory, 4/F, Buddhist Kok Kwong Secondary School*
6**	3 Dec	5:30 p.m. – 8:30 p.m.	Jockey Club Sai Kung Outdoor Training Camp*/ Ma Wan Solar Tower*/ Others* Room 303, HKAGE

* Students should fulfil the latest “[Vaccine Pass](#)” requirement to enter the premises.

As the stargazing or solar observation activity is outside HKAGE campus, students joining this session need to fulfill **Vaccine Pass. Shuttles bus is arranged for pick-ups between HKAGE and the class venues. Students will be dismissed at HKAGE. Besides, this session maybe cancelled or postponed due to inclement weather. Detailed arrangement will be explained during classes.

◆ Target Participants

- S3 to S6 HKAGE student members only in 2022/23 school year
- Class size: 20

◆ Pre-requisite

Satisfactory performance in Phase 1 (A4AST001C)

◆ Medium of Instruction

Cantonese with English Handouts

◆ Screening

Screening is based on the performance in Phase 1 (A4AST001C). Only students who can demonstrate motivation and the knowledge of astronomy in Phase 1 can be enrolled in the programme.

◆ Certificate

E-Certificate will be awarded to participants who have:

- attended at least 5 sessions; and
- completed all the assignments with satisfactory performance