



A4AST001C

[\(Token- required\)](#)

Astronomy Course (Level IV)

Cosmos – An Investigative Study (Phase 1)

Instructor from Galaxy Scientific Group Limited



Application Deadline
13 Sep 2022 12:00 n.n

Result Release
16 Sep 2022

Intended Learning Outcomes

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

1. demonstrate understanding of the universe, stars, cosmology, and astrophysics
2. gain practical experience in using mounts and telescopes for stargazing
3. carry out calculation on astronomy-related measurements



◆ Introduction

The course consists of 3 phases. During phase 1 (A4AST001C), the programme aims to enhance students' knowledge in universe, stars, cosmology, and astrophysics by providing lectures, workshops, practical experiences and Digital Starlab experience. Students will learn about theories of Cosmology and how to measure distance and diameter of different stars. Calculation will be included. During Phase 2 in Nov and Dec, they will explore different types of telescopes and mounts too. At the end of all 3 phases, they will be able to conduct a research project on astronomy.

◆ Schedule

Session	Date	Time	Venue
1	24 Sep	1:00 p.m. – 4:00 p.m.	Physic Laboratory, 4/F, Buddhist Kok Kwong Secondary School
2	24 Sep	5:30 p.m. – 8:30 p.m.	Room 303, HKAGE
3	8 Oct	1:00 p.m. – 4:00 p.m.	Physic Laboratory, 4/F, Buddhist Kok Kwong Secondary School
*4	8 Oct	5:30 p.m. – 8:30 p.m.	Jockey Club Sai Kung Outdoor Training Camp/ Ma Wan Solar Tower/ Others
5	15 Oct	1:00 p.m. – 4:00 p.m.	Physic Laboratory, 4/F, Buddhist Kok Kwong Secondary School
6	15 Oct	5:30 p.m. – 8:30 p.m.	Room 105, HKAGE
7	5 Nov	1:00 p.m. – 4:00 p.m.	Physic Laboratory, 4/F, Buddhist Kok Kwong Secondary School
8	5 Nov	5:30 p.m. – 8:30 p.m.	Room 105, HKAGE

*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: 40

◆ Pre-requisite

No special prerequisites are needed

◆ Medium of Instruction

Cantonese with English Handouts

◆ 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 motivation and the knowledge of astronomy in the screening question can be enrolled in the programme.

◆ Certificate

E-Certificate will be awarded to participants who have:

- attended at least 6 sessions; and
- completed all the assignments with satisfactory performance

