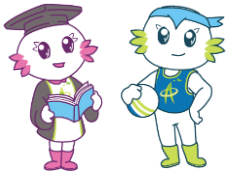
香 港 資 優 教 育 學 苑
The Hong Kong Academy for Gifted Education
香港特別行政區政府教育局資助
Subvented by the Education Bureau, the Government of the HKSAR



Learn about Gigi & Yoyo

E2AST005C
(Token- required)

[Gifted Programme]

Astronomy Course (Level II)

Fundamental Astronomical Observation and Practical Skills

Teachers of Galaxy Scientific Group

Application Deadline
29 Dec 2025 12:00 noon

Result Release
2 Jan 2026

Intended Learning Outcomes

Upon completion of the gifted programme, gifted students should be able to:

1. Demonstrate basic celestial observation and sky-mapping techniques;
2. Assemble and operate basic telescope systems;
3. Process and interpret introductory astronomical data;
4. Explain fundamental astronomical phenomena and their motion patterns.

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

Gifted Programme Introduction

Under the boundless starry curtain, are you ready to transform from a stargazer into a decoder of the cosmos?

This advanced astronomy course is designed to guide you beyond mere observation into the realm of precise science. You will learn to operate professional telescopes, interpret the mathematical principles behind celestial motions, and uncover hidden cosmic truths within optical data. This is not only an acquisition of knowledge, but also a training ground for scientific thinking, tailored for secondary school students eager to engage with real astronomy.

The course further includes a second phase dedicated to independent research and certification challenges, allowing your exploratory journey to continue deepening. Outstanding students from the first phase will be invited to join the second phase course. The second phase is tentatively scheduled from early February to June 2026. For details, please see the next page.

Schedule

Session	Date	Time	Venue (TBC)
1	10 Jan	3:00 p.m. – 5:00 p.m. 6:30 p.m. – 9:30 p.m.	HKFYG Tai Mei Tuk Outdoor Activities Centre[1] or Galaxy Scientific Group Fo Tan Studio[2]
2	17 Jan		
3	24 Jan		

Address:

[1] Main Dam, Plover Cove, Ting Kok Rd., Tai Mei Tuk, Tai Po, N.T.
[2] 6R Valiant Industrial Centre, 2-12 Au Pui Wan Street, Fo Tan, NT

Remarks:

1. Students must bring your own tablet or laptop to the class. 2. Students must make their own way to the class location and prepare your dinner. 3. The stargazing activity may be postponed or canceled depending on the weather conditions that night; please pay attention to the instructor's arrangements.

Suitable for

- S1 – S6 HKAGE student members in 2025/26 school year. Class size: 40

Pre-requisite

No special prerequisites are needed

Certificate

E-Certificate will be awarded to participantss who have:

- attended 5 sessions; AND
- completed all the assignments with satisfactory performance

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 mathematics/ probability in the screening question can be enrolled in the programme

Medium of Instruction

Cantonese with Chinese handouts

Enquiries 3940 0101 programme@hkage.org.hk

Second Phase Introduction

The telescope becomes your pen, the starry sky your vast parchment.
In this advanced course, you embark on an independent journey of discovery: from calibrating precision equatorial mounts to capturing raw data from distant celestial objects; from analyzing the pulsating light curves of stars to testing deep-space theories through your own observations. This journey culminates in producing a scientific report that adheres to academic standards, synthesizing your discoveries and critical analysis.
Outstanding students from the first phase will be invited to join second phase courses. The class size is 20 student.

Second Phase Schedule

Session	Date	Time	Venue (TBC)
1	7 Feb	3:00 p.m. – 5:00 p.m. 6:30 p.m. – 9:30 p.m.	HKFYG Tai Mei Tuk Outdoor Activities Centre[1] or Galaxy Scientific Group Fo Tan Studio[2]
2	7 Mar		
3	18 Apr		
4	16 May		
5	13 Jun		

Address:
[1] Main Dam, Plover Cove, Ting Kok Rd., Tai Mei Tuk, Tai Po, N.T.
[2] 6R Valiant Industrial Centre, 2-12 Au Pui Wan Street, Fo Tan, NT

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