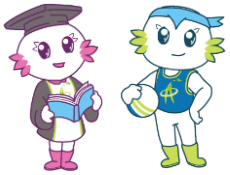
香 港 資 優 教 育 學 苑
The Hong Kong Academy for Gifted Education
香港特別行政區政府教育局資助
Subvented by the Education Bureau, the Government of the HKSAR



Learn about Gigi & Yoyo

E3AST005C
(Token- required)

[Gifted Programme]

Astronomy Course (Level III)

Advanced Astronomical Research

Representatives from Galaxy Scientific Group

Application Deadline
26 Jan 2026 12:00 noon

Result Release
2 Feb 2026

Intended Learning Outcomes

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

1. Conduct independent observation and data analysis projects;
2. Calibrate and use advanced telescope systems (e.g., equatorial mount);
3. Analyze and compare observed results with theoretical models;
4. Produce and present a scientific report for assessment and certification.

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

Gifted Programme 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.

Schedule

Session	Date	Time	Venue (TBC)
1	7 Feb	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	3:00 p.m. – 5:00 p.m.	
3	7 Mar	6:30 p.m. – 9:30 p.m.	
4	18 Apr	3:00 p.m. – 5:00 p.m.	
5	18 Apr	6:30 p.m. – 9:30 p.m.	
6	23 May	3:00 p.m. – 5:00 p.m.	
7	23 May	6:30 p.m. – 9:30 p.m.	
8	13 Jun	3:00 p.m. – 5:00 p.m.	
9	13 Jun	6:30 p.m. – 9:30 p.m.	

Address:

[1] The HKFYG Tai Mei Tuk Outdoor Activities Centre
[2] 6R Valiant Industrial Centre, 2-12 Au Pui Wan Street, Fo Tan, N.T.

Remarks:

1. Students must bring your own tablet or laptop to the class.
2. Students need to travel to the class location on your own. If the class is at Tai Mei Tuk, students can choose to be picked up by your parents or to leave on your own. Additionally, the instructor will provide a shuttle bus (with a coach) that will return to Tai Po Market Station (Exit A) at 9:30 p.m. for self-dismissal.
3. Students need to prepare your dinner.
4. The stargazing activity may be postponed or canceled depending on the weather conditions that night; please pay attention to the instructor's arrangements. If the weather permits, the class will be held at the Hong Kong Youth Association Tai Mei Tuk Outdoor Activities Centre.

Enquiries 3940 0101 programme@hkage.org.hk

Suitable for

- S1 – S6 HKAGE student members in 2025/26 school year.
- Class size: 20
- Completed E2ST005C student members will be given the priority.

Pre-requisite

- Able to demonstrate basic celestial observation and sky-mapping techniques;
- Able to assemble and operate basic telescope systems;
- Able to process and interpret introductory astronomical data;
- Able to explain fundamental astronomical phenomena and their motion patterns.

Certificate

E-Certificate will be awarded to participants who have:

- attended 7 sessions; AND
- completed all the assignments with satisfactory performance

Medium of Instruction

Cantonese with Chinese handouts

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