



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

[**Gifted Programme**]

E3AST003C

(Token-required)

Astronomy Course (Level III): Artemis – How Human Will Go Back to the Moon

Teachers of Galaxy Scientific Group



Application Deadline
12 Aug 2024 12:00 noon

Result Release
23 Aug 2024

Intended Learning Outcomes

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

1. describe the complexities in designing a moon-landing mission;
2. explain the choice of South Pole for moon base;
3. design the trajectory to the Moon;
4. identify bright stars by using planisphere;
5. set up and use telescopes to make observations;
6. discuss ethical issues in lunar exploration.

◆ Gifted Programme Introduction

Over five decades after Neil Armstrong's "one small step", it is time to go back to the moon with the goal of setting up a permanent moon base in the lunar South Pole. This course explores the science and latest development of NASA's Artemis programme which is expected to put human back on the moon in the near future.

◆ Schedule

Session	Date	Time	Venue
1	2 Nov	2:00 p.m. – 5:00 p.m.	Room 403, HKAGE
2		6:00 p.m. – 9:30 p.m.	Tuen Mun / Ma Wan (To be confirmed)
3	9 Nov	2:00 p.m. – 5:00 p.m.	Room 403, HKAGE
4		6:00 p.m. – 9:30 p.m.	Tuen Mun / Ma Wan (To be confirmed)

Remarks:

- There will be two evening classes where we will visit other outdoor sites for stargazing. The instructor has already arranged a chartered shuttle bus for pick-ups between the Academy and class venues. Evening classes will be dismissed at the Academy. Details will be explained during class.
- The evening stargazing activity classes maybe cancelled or postponed to a later date accordingly due to inclement weather, please watch out for the instructor's arrangements.

◆ Suitable for

- S3 to S6 HKAGE student members in 2024/25 school year
- Class size: 35

◆ Pre-requisite

No special prerequisites are needed

◆ Medium of Instruction

Cantonese with English Handouts

◆ Screening

Please answer the screening questions in the online application form.

*The screening questions are designed to help the applicant understands the course level and the course content. The questions must be answered by the student applicant and it can only be attempted once. The answers cannot be changed once the application is submitted. Selection is based on students' performance in answering the questions. Only students who can demonstrate motivation and knowledge of astronomy in the screening questions can be enrolled in the programme.

◆ Certificate

E-Certificate will be awarded to gifted students who have:

- attended at least 3 sessions; and
- completed all the assignments with satisfactory performance.