香 港 資 優 教 育 學 苑
The Hong Kong Academy for Gifted Education

How to Build a Space Colony (SCIP2402)

Introduction	Apart from Earth, are there any planets in the universe suitable for human inhabitation? How is the ecology on other planets? Through application of astronomy equipments and interactive educational activities, the programme allows students to learn the basic knowledge of astronomy and the ecology on different planets, as well as to explore the possibility for humans to move into space.
Programme Type / Level	Astronomy Course (Level 1) (Token-required)
Instructor(s)	Mr. David Leong and Miss Libby Wong of Galaxy Scientific Group
Pre-requisite	No special prerequisites are needed.
Target Participants	➢ P4 to P6 HKAGE student members ➢ Class size: 30
Medium of Instruction	Cantonese with Chinese handouts
Certificate	Certificate will be awarded to participants who have: ❖ Attended **AT LEAST 3** sessions AND ❖ Completed all the assignments with satisfactory performance
Intended Learning Outcomes	Upon completion of the programme, participants should be able to: 1. Identify factors to be considered in space exploration to ensure safety and feasibility 2. Explain the basic principle in launching rockets 3. Point out different kinds of stellar objects in the sky 4. Identify factors that determine the habitability of planets 5. Explain the use of various components of a spacesuit to ensure safety 6. Design a space travel plan with clear objective, resources, methods, and other relevant information.
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.

Application Deadline	**22 August, 2016**	Application Result Release Date	**2 September, 2016**

Student members may withdraw from the programme on or before the deadline. Otherwise, the token will be deducted.

Schedule

Session	Date	Time	Venue (HKAGE)
1	5 Nov	2:00 p.m. – 6:00 p.m.*	Room 105
2		7:00 p.m. – 9:00 p.m.	
3	12 Nov	2:00 p.m. – 6:00 p.m.*	Room 303
4		7:00 p.m. – 9:00 p.m.	

* 6pm – 7pm is the break time, students have to bring their own food.
# There will be one to two evening classes where we will visit other external astronomical centers. The instructor has already arranged a chartered shuttle bus for pick-ups between the HKAGE and class venues. Evening classes will be dismissed at the HKAGE. Details will be explained during class.
# The evening stargazing activity class maybe cancelled and postponed to a later date accordingly due to inclement weather, please watch out for the instructor's arrangements. Cancelled and replacement class due to weather conditions will not be included in the calculation of attendance.

Enquiries

For enquiries, please contact us at 3940 0178 or 3940 0189.