



## Manned Mission to Mars 2025 (SCIP2402A)

### Introduction

New rocket developments have made the human mission to Mars closer to reality than ever. This course discusses the possibility of colonizing the solar system especially for Mars, the opportunities and challenges. Students can also experience space exploration through making of water rocket, experiencing digital planetarium, and stargazing under the midsummer sky.

### Programme Type / Level

Astronomy 2 Course (Level 1) ([Token-required](#))

### Instructor(s)

Miss Libby Wong of Galaxy Scientific Group and Mr. David Leong

### 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



**E-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. Analyse the planetary habitability of various planets and illustrate the development and challenges of space travel in the last few decades;
2. Create a model of rocket and explain the basic principle of launching rockets;
3. Design a space travel plan with clear objectives, 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 understand 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 basic knowledge of Astronomy in the screening question can be enrolled in the programme.

### Application Deadline

**6 May 2019**  
**12:00 n.n.**

Application Result Release  
Date

**17 May 2019**

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

## Schedule



Session	Date	Time	Venue
1	17 Aug	2:00 p.m. – 5:00 p.m.	Room 303 (HKAGE) <sup>1</sup>
2		6:30 p.m. – 9:30 p.m.	The Hong Kong Federation of Youth Groups Jockey Club Sai Kung Outdoor Training Camp or Tai Po Waterfront Park <sup>234</sup>
3	24 Aug	2:00 p.m. – 5:00 p.m.	Room 105 (HKAGE) <sup>1</sup>
4		6:30 p.m. – 9:30 p.m.	The Hong Kong Federation of Youth Groups Jockey Club Sai Kung Outdoor Training Camp or Tai Po Waterfront Park <sup>234</sup>

<sup>1</sup>Sha Kok Estate, Shatin, N.T., Hong Kong Map

<sup>2</sup>Address: DD256, Tai Mong Tsai Road, Sai Kung

<sup>3</sup>Address: Dai Fat Street, Tai Po

<sup>4</sup>Location of the evening stargazing activity depends on the weather condition

### Remarks:

- 5 p.m. – 6:30 p.m. is the break time, students can bring their own food (there are seats in the lobby) or students can eat at the Sha Kok Commercial Center (沙角商場) nearby at their own expense.
- 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 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 0101 after language selection, press "1".