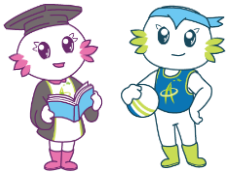
香 港 資 優 教 育 學 苑
The Hong Kong Academy for Gifted Education
香港特別行政區政府教育局資助
Subvented by the Education Bureau, the Government of the HKSAR



Learn about Gigi & Yoyo

A3AER001C

(Token- required)

[**Gifted Programme**]

Aerospace Course (Level III)

Space Exploration with UGOT - Practical AI Robotics Programming

Vinci AI

Application Deadline
3 Nov 2025 12:00 noon

Result Release
14 Nov 2025

Intended Learning Outcomes

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

1. explain the functions of various robotic hardware components and be able to assemble it;
2. collect and interact with various types of environmental data through its sensors;
3. control the robot to execute tasks simulating space mission using graphical or Python programming commands;
4. enhance problem-solving and decision-making abilities through robotic challenges

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

Gifted Programme Introduction

UGOT is an innovative educational robot capable of rapidly transforming into seven different configurations. In this course, students will step into the role of space explorers, using UGOT to complete a series of simulated space missions. Through graphical or Python programming commands and sensor data, participants will learn to integrate artificial intelligence technologies to perform object, facial, expression, and voice recognition, tackling challenges such as positioning, navigation, exploration, and robotic operations. These hands-on tasks are designed to strengthen students' logical thinking, problem-solving skills, and creativity.

Schedule

Session	Date	Time	Venue
1	20 Dec	9:00 a.m. – 12:00 noon	Room 105, HKAGE
2	3 Jan	9:00 a.m. – 12:00 noon	Room 105
3	17 Jan	9:00 a.m. – 12:00 noon	Room 105
4	24 Jan	9:00 a.m. – 12:00 noon	Room 105
5	7 Feb	9:00 a.m. – 12:00 noon	**Room 403**
6	14 Feb	9:00 a.m. – 12:00 noon	**Room 403**
7	28 Feb	9:00 a.m. – 12:00 noon	Room 105
8	7 Mar	9:00 a.m. – 12:00 noon	Room 105
9	14 Mar	9:00 a.m. – 12:00 noon	Room 105
10	14 Mar	**1:30 p.m. – 4:30 p.m.**	Room 105

Suitable for

- S1 – S6 HKAGE student members in 2025/26 school year
- Class size: 30
- Student members would be selected randomly by the computer system. The decision of HKAGE on the result of the selection should be final.

Medium of Instruction

English with English Handouts

Pre-requisite

No special prerequisites are needed

Certificate

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

- attended at least 8 sessions; and
- completed all the assignments with satisfactory performance

Enquiries

3940 0101 programme@hkage.org.hk