

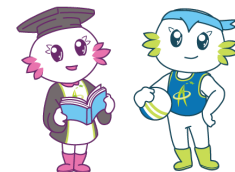


香港資優教育學苑

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



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[**Gifted Programme**]

C1SDE002C

[\(Token- required\)](#)

Sustainable Development Course (Level I) : Innovative Ecosystems - Merging Nature with STEAM

Mr WONG Wai Chun, Mr NG Hang Yeung

Science Teachers, Salesians of Don Bosco Ng Siu Mui Secondary School



Application Deadline
23 Jun 2025 12:00 noon

Intended Learning Outcomes

Result Release
24 Jun 2025

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

1. Develop a comprehensive understanding of ecology, technology and plant biology through hands-on activities.
2. Learn to design, build and programme automated devices, fostering practical engineering and coding abilities.
3. Enhance students' communication and collaboration skills through various group projects and activities.
4. Engage in innovative thinking by integrating AI and automation into real-world applications, preparing students for future challenges.

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

◆ Gifted Programme Introduction

This course fosters a comprehensive understanding of ecology, technology, and plant biology among students through STEAM-based practical activities and discussions. Students will design automated devices and artificial intelligence (AI) models for identifying plants and animals, while exploring sustainable agriculture through hydroponics. The course promotes teamwork, programming skills, and creative problem-solving, aligning with Sustainable Development Goals such as “Zero Hunger” and “Climate Action”, empowering students to contribute to sustainable ecosystems.

This programme is under the collaboration of HKAGE and Salesians of Don Bosco Ng Siu Mui Secondary School.

◆ Schedule

Session	Date	Time	Venue
1	7 Jul (Mon)	2:00 p.m. – 5:00 p.m.	iLab, Salesians of Don Bosco Ng Siu Mui Secondary School, 30 Kwai Hop Street, Kwai Chung, N.T. (MAP)
2	9 Jul (Wed)		
3	14 Jul (Mon)		
4	17 Jul (Thu)		

◆ Suitable for

- P4 – P6 HKAGE student members in 2024/25 school year.
- Class size: 16
- Student members would be selected randomly by the computer system. The decision of HKAGE on the result of the selection should be final.

◆ Pre-requisite

No special prerequisites are needed

◆ Medium of Instruction

Cantonese with Chinese/English handouts

◆ Certificate

E-Certificate will be awarded to participants who have:

- attended **at least 3 sessions**; AND
- completed all the assignments with satisfactory performance