



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



齊來認識 資資、優優

E1STM009C

(Token- required)

[**Gifted Programme**]

STEAM Course (Level I)

Gerontech Smart Cane

Representatives from BNET-TECH Company Limited

Application Deadline

18 Nov 2024

12:00 noon

Result Release

19 Aug 2024

Intended Learning Outcomes

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

1. explain the gerontechnology and social enterprise;
2. demonstrate coding skills that can solve social issues;
3. demonstrate design thinking skills in prototypes development for elderly;
4. gain empathy for the elderly and their unique needs and challenges and be inspired to design projects that address these needs in a compassionate way.



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

◆ Gifted Programme Introduction

The course aims to illustrate the topic of Hong Kong gerontech social enterprise, introduce the existing Smart Cane product, and increase awareness of aging problems and the concept of gerontechnology. Students will learn to make a paper model of our remarkable BNET-TECH local R&D patented product STICKu, which is capable of multiple practical functions such as fall detection and smart torch with micro:bit programming.

This project-oriented course emphasizes programming skills and design thinking. By completing this course, students should be able to understand the needs of the elderly, build empathy, as well as to design and build creative gerontechnology projects.

◆ Schedule

Session	Date	Time	Venue (TBC)
1	7 Dec	9:00 a.m. – 12:00 noon 1:00 p.m. – 4:00 p.m.	Buddhist Kok Kwong Secondary School Sha Kok Estate, Shatin, N.T., Hong Kong (Map)
2			
3	14 Dec		
4			

*Remark: Students **must** bring your own tablet or laptop to the class.

◆ Suitable for

- P4 – P6 HKAGE student members in 2024/25 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.

◆ Pre-requisite

No special prerequisites are needed

◆ Medium of Instruction

Cantonese with Chinese handouts

◆ Certificate

E-Certificate will be awarded to participants who have:

- Attended 3 sessions; AND
- completed all the assignments with satisfactory performance

