



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

E1DET001C

(Token- required)

[**Gifted Programme**]

Design and Technology Course (Level I)

Everyday Products Craftsmen

Mr NING Kon Ying

Dr STEM



Application Deadline
20 May 2024 12:00 noon

Result Release
24 May 2024

Intended Learning Outcomes

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

1. design simple circuits to connect electronic components and control switches;
2. assemble simple materials into everyday products with practical use;
3. safely use various craft tools such as soldering iron, hot glue gun and wire cutter, etc.;
4. enhance design thinking and creative problem solving skills;
5. foster a stronger desire to pursue further studies in design and technology/engineering and related disciplines.

◆ Gifted Programme Introduction

Students will learn to make 4 everyday products in this programme: torch, music box, rubber band gun and lamp. These products will be made by using of sticks and electronic components, requiring them to draw circuit diagrams and learn how to use various craft tools such as soldering iron, hot glue gun and wire cutter.

During the hands-on process, participants will gain a deeper understanding of the design thinking, technology and engineering principles behind various household products.

◆ Schedule

Session	Date	Time	Venue
1	30 Jul	9:30 a.m. – 12:30 p.m.	Design and Technology Room, Salesians of Don Bosco Ng Siu Mui Secondary School, 30 KWAI HOP STREET KWAI CHUNG NEW TERRITORIES (Map)
2	2 Aug	9:30 a.m. – 12:30 p.m.	
3	6 Aug	9:30 a.m. – 12:30 p.m.	
4	9 Aug	9:30 a.m. – 12:30 p.m.	

◆ Suitable for

- P4 to P6 HKAGE student members
- Class size: 24
- 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

◆ Certificate

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

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

◆ Medium of Instruction

Cantonese with Chinese Handouts