



E1DET001C

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

[**Gifted Programme**]

Design and Technology Course (Level I)

Everyday Items Craftsmen

Mr NING Kon Ying

Dr STEM



Application Deadline
19 Feb 2025 12:00 noon

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.

Result Release

21 Feb 2025

◆ Gifted Programme Introduction

Students will learn to make 4 everyday products in this programme: electric car, LED lantern, recording photo frame and human conductive guitar. 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	5 Apr	1:00 p.m. – 4:00 p.m.	Holy Cross Lutheran School (Location)
2	12 Apr	1:00 p.m. – 4:00 p.m.	
3	10 May	1:00 p.m. – 4:00 p.m.	
4	17 May	1:00 p.m. – 4:00 p.m.	

◆ Suitable for

- P4 – P6 HKAGE student members in 2024/25 school year.
- Class size: 20
- 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 at least 3 sessions; AND
- completed all the assignments with satisfactory performance

