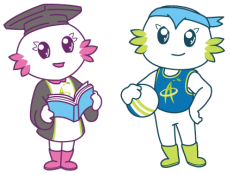
香 港 資 優 教 育 學 苑
The Hong Kong Academy for Gifted Education
香港特別行政區政府教育局資助
Subvented by the Education Bureau, the Government of the HKSAR



Learn about Gigi & Yoyo

[**Gifted Programme**]

E2TEC004W

(Token- required)

Technology Workshop (Level II):

Visit to CLP Power Low Carbon Energy Education Centre with 3D Printing Activity

Staff of CLP Power Low Carbon Energy Education Centre (LCEEC), City University of Hong Kong (CityU)

Application Deadline
2 Feb 2026 12:00 noon

Result Release
6 Feb 2026

Intended Learning Outcomes

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

1. recognise the challenges posed by climate change;
2. describe different types of low carbon energy sources (e.g., solar power, wind power, nuclear power);
3. outline and practice 3D printing technology;
4. reflect on contemporary lifestyle and practice low carbon living.

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

Gifted Programme Introduction

Countries worldwide are facing up to the challenges posed by climate change, stepping up global efforts to find and develop clean energy sources to replace high-emission fossil fuels. Although the perfect fuel is yet to be found, we are constantly exploring better options. Low carbon energy sources are being developed and each has its own advantages and limitations. In order to meet our energy needs while reducing emissions, the use of a diversified and low carbon fuel mix is the most viable option for now.

CityU's CLP Power Low Carbon Energy Education Centre offers visitors an inspiring and enlightening experience as they learn about the importance of low carbon energy to address the environmental challenges we face. In the centre, five themed zones at the centre present a thought-provoking, interactive experience covering the generation principles, applications, advantages and limitations of different low carbon energy sources as well as their future development potential.

In this workshop, students will first visit the five themed zones by following a guided tour. Then, students need to complete the related worksheet. Finally, students will learn 3D printing technology and its applications. Students could also create their own products and get them printed.

Schedule

Session	Date	Time	Venue
1	14 Mar 2026 (Saturday)	2:00 p.m. – 4:30 p.m. (Please arrive at 1:50 p.m. for registration)	CLP Power Low Carbon Energy Education Centre, Room 3202, 3/F, Lau Ming Wai Academic Building, City University of Hong Kong

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.

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 the session; AND
- completed all the assignments with satisfactory performance.

Enquiries 3940 0101 programme@hkage.org.hk