



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

E1TEC006W

(Token- required)

[**Gifted Programme**]

Technology Workshop (Level I)

0 Park1 – Turning Food Waste to Energy

Docents from 0 Park1



Application Deadline
12 Aug 2024 12:00 noon

Result Release
23 Aug 2024

Intended Learning Outcomes

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

1. explain anaerobic digestion technology to convert food waste into biogas;
2. illustrate the importance of food waste management in Hong Kong;
3. discuss the challenge caused by food waste in Hong Kong;
4. demonstrate a higher level of awareness towards environmental protection.

◆ Gifted Programme Introduction

At present, there were some 11,000 tonnes of municipal solid waste (MSW) disposed of at landfills each day. Of these, about 30% were food waste, constituting the largest MSW category. The current practice of disposing of biodegradable food waste at landfills is not sustainable and is environmentally undesirable as it depletes the limited landfill space.

O Park1, adopts anaerobic digestion technology to recycle food waste into renewable energy, setting the pace for a more sustainable Hong Kong. This workshop will introduce students with how can energy transformed from municipal solid waste and its difficulties and challenges.

◆ Schedule

Session	Date	Time	Venue
1	28 Sep 2024 (Saturday)	10:45 a.m. – 12:15 p.m.	Organic Resources Recovery Centre Phase 1, 5 Sham Fung Road, Siu Ho Wan, North Lantau. (Location)

**The assembly and dismissal place will be in Sunny Bay Rail Station. A shuttle bus will be provided by O Park1.

◆ Suitable for

- P4 – P6 HKAGE student members in the 2024/25 school year.
- Class size: 19
- 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

English with English handouts

◆ Certificate

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

- attended ALL sessions; AND
- completed all the assignments with satisfactory performance