

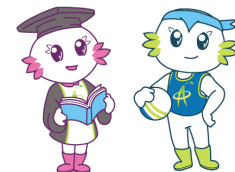


香港資優教育學苑

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



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E2STM001C

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[**Gifted Programme**]

STEAM Course (Level II)

Candle Innovation Lab

Ms Janette Lo

Jello Candle



Application Deadline

**17 Aug 2026 12:00
noon**

Result Release

21 Aug 2026

Intended Learning Outcomes

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

1. explore combustion chemistry and thermal principles via material experimentation;
2. optimize candle design by analyzing the thermal properties of varying molds and wicks;
3. produce complex color-gradient candles and innovative, eco-conscious upcycled projects;
4. develop problem-solving skills and present designs effectively.

◆ Gifted Programme Introduction

Ignite Your Scientific and Creative Sparks!

In this course, you will become both a scientist and an artist, exploring the mysteries behind candles. From combustion chemical reactions and thermal conduction experiments to optimizing wick structures and mold designs, you will use mathematical calculations to determine material ratios and learn artistic dyeing techniques to create unique gradient candles and eco-friendly upgrades.

This course is guided by a professional instructor with 20 years of experience. You will personally complete container candles, geometric-shaped candles, and more, which you can take home to showcase! Whether you are a science enthusiast, a design lover, or someone who enjoys hands-on activities, this course will allow you to unleash your creativity and develop problem-solving skills.

◆ Schedule

Session	Date	Time	Venue
1	19 Sep 2026	9:30 a.m. – 12:30 p.m.	Physics Laboratory, 4/F, Buddhist Kok Kwong Secondary School Sha Kok Estate, Shatin, N.T., Hong Kong
2	3 Oct 2026		HKAGE Room303
3	10 Oct 2026		
4	17 Oct 2026		Physics Laboratory, 4/F, Buddhist Kok Kwong Secondary School Sha Kok Estate, Shatin, N.T., Hong Kong

◆ Suitable for

- S1 – S3 HKAGE student members in 2026/27 school year.
- Class size: 35
- 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 English handouts

◆ Certificate

E-Certificate will be awarded to participants who have:

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