

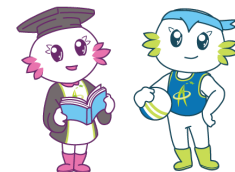


香港資優教育學苑

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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E1STM025W

(Token- required)

[ **Gifted Programme** ]

**STEAM Workshop (Level I)**

# Behind the Scene Cable Car Tour

Instructor from Ngong Ping 360



**Application Deadline**

**10 Nov 2025 12:00  
noon**

**Result Release**

**14 Nov 2025**

## **Intended Learning Outcomes**

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

1. describe the history and construction of the cable car system;
2. explain the mechanics of the bi-cable ropeway system and two rope principles;
3. foster a stronger desire to pursue further studies in engineering and related disciplines.

## ◆ Gifted Programme Introduction

Are you curious about how Ngong Ping 360, the longest bi-cable ropeway system in Asia, operates safely and is maintained efficiently?

This unique behind-the-scenes tour will take you to the cable car depot, usually closed to the public, revealing the precise mechanical design of the cable car system and how engineers ensure its daily safe operation. During the tour, the guide will explain the mechanical principles and engineering design interactively, combined with interdisciplinary STEM knowledge to inspire students' interest in engineering and science. Students will also get a close-up look at the cabins and important components, experiencing engineering practice first-hand and beginning a journey of innovative exploration.

## ◆ Schedule

Session	Date	Time	Venue
1	6 Dec 2025 (Saturday)	9:45 a.m. – 12:45 p.m. (Assembly Time: 9:30 a.m.)	Ngong Ping 360*

\* Assembly and Dismissal point: Coach parking area of Tung Chung Cable Car Terminal

## ◆ Suitable for

- S1 – S3 HKAGE student members in 2025/26 school year.
- Class size: 30
- This workshop involves taking the cable car to some destinations. Students with acrophobia (fear of heights), chronic illnesses, or claustrophobia are advised not to participate in this workshop.
- Student members would be selected randomly by the computer system. The decision of HKAGE on the result of the selection should be final.

## ◆ Medium of Instruction

Cantonese with Chinese handouts

## ◆ Certificate

E-Certificate will be awarded to participants who have:

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