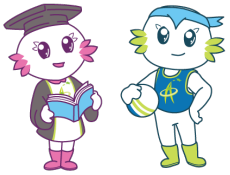
香 港 資 優 教 育 學 苑
The Hong Kong Academy for Gifted Education
香港特別行政區政府教育局資助
Subvented by the Education Bureau, the Government of the HKSAR



Learn about Gigi & Yoyo

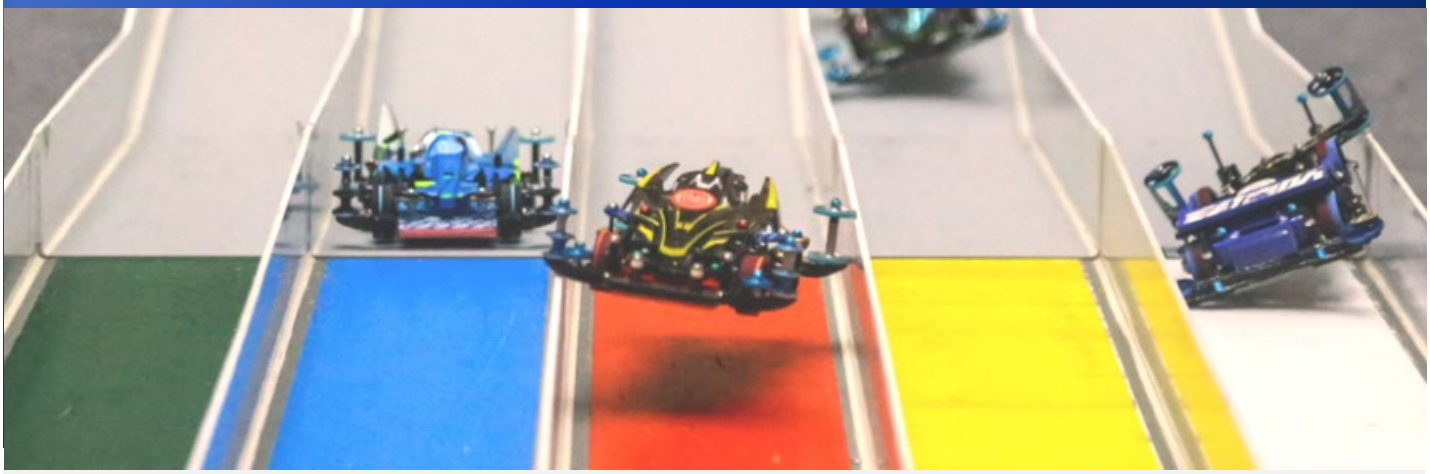
[**Gifted Programme**]

E2ENG001C
(Token- required)

Engineering Course (Level I):

Engineering Course (Level II): Mini 4-Wheel Drive Training Programme (Phase II) – Becoming a Racer

Teachers of Stage One Education



Intended Learning Outcomes

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

1. assess a mini 4WD under the official Tamiya mini 4WD race regulations;
2. modify a mini 4WD by changing various components (e.g. roller, motor, wheel) at an advanced level via a proper track analysis process;
3. apply analytical skill and creativity in modifying the mini 4WD;
4. demonstrate respect for other participants and develop resilience in the mini 4WD modification trial and error process.

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

Gifted Programme Introduction

The course will focus on a technical competition and explaining the important factors of how to increase the speed of a mini 4WD and how to modify it to run on various difficult tracks. The content focuses on hands-on modification and communication as well as encouraging students to use creativity to face new challenges with limited materials. Students verify their learning with various testing and record the results in class. They would improve their self-confidence and thinking skills through the presentation of their 4WD modification review.

Schedule

Session	Date	Time	Venue
1	21 Feb	2:00 p.m. – 5:00 p.m.	HKAGE (Classroom to be confirmed)
2	28 Feb		
3	7 Mar		
4	14 Mar		
5	21 Mar		
6	28 Mar		
7	11 Apr		
8	18 Apr		
9	2 May		
10	9 May		

Suitable for

- S1 to S3 HKAGE student members in 2025/26 school year
- Class size: 12

Pre-requisite

- Students who have outstanding performance in “Engineering Course (Level I): Mini 4-Wheel Drive, Ready Go! (Phase I) (E1ENG001C)”
- Students need to bring the mini 4WD, tools and components received in E1ENG001C.

Medium of Instruction

Cantonese with Chinese handouts

Certificate

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

- attended at least 7 sessions; and
- completed all the assignments with satisfactory performance.

Enquiries 3940 0101 programme@hkage.org.hk