



S3ROB005C

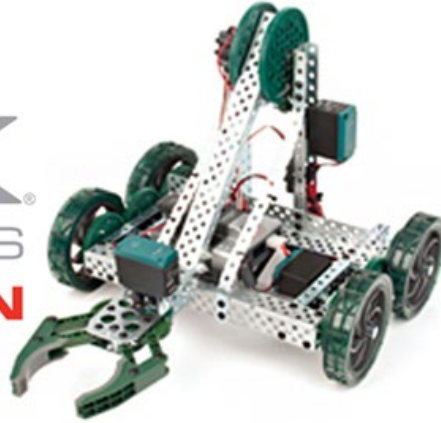
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Robotics Course (Level III)

VEX Robotics Introductory Module

Capmi Technology Limited

VEX
ROBOTICS
COMPETITION



Intended Learning Outcomes

Upon completion of the programme, participants should be able to.

1. Understand the structure of VEX robotics
2. Apply knowledge and ability to train other HKAGE students
3. Participate in VEX competitions and represent HKAGE
4. Build up their own VEX robot

Result Release

24 July 2023

◆ Introduction

The course allows students to understand the structure of VEX V5 robotics, learn different scientific theories, mechanical structures, to programming theories, and build their own VEX robots. Through different course objectives, students can learn more STEAM knowledge. After completing the course and examination, they can participate in the competition hosted by the REC Foundation to move forward on the road of robotics development.

◆ Schedule

Session	Date	Time	Venue
1-5	21-25 Aug	9:30 am – 5:30 pm	Room 303

◆ Target Participants

- S1 to S3 HKAGE student members in 2023/24 school year
- Class size: 20

*After completing the course, students have the opportunity to be promoted to represent the Hong Kong Academy for Gifted Education team to participate in the VEX competition, and must attend the training on every Monday and Wednesday from September 2023 to February 2024

◆ Pre-requisite

Students should be able to:

Have basic knowledge of robotic

◆ Medium of Instruction

Cantonese with English Handouts

◆ Screening

Please answer the screening question in the online application form.

*The screening question is designed to help the applicant understand the course level and the course content. The question must be answered by the student applicant and it can only be attempted once. The answer cannot be changed once the application is submitted. Selection is based on students' performance in answering the question. Only students who can demonstrate motivation and the knowledge of robotics in the screening question can be enrolled in the programme

*Interview may be required after finishing screening questions

◆ Certificate

E-Certificate will be awarded to participants who have:

- Meet attendance rate over 80%; and
- completed all the assignment with satisfactory performance