



S1TEC001K

(Token- required)

STEAM Competition (Level I)

InnoCup 2023 Robotic Soccer Competition

Hong Kong Baptist University Affiliated School
Wong Kam Fai Secondary and Primary School



Intended Learning Outcomes

Upon completion of the Robotic Soccer competition, participants should

1. Strengthen knowledge of digital knowledge and design
2. Enhance interest in STEAM
3. Develop logical thinking, coding, and problem-solving skills
4. Cultivate active learning and team spirit

Application Deadline
3 Dec 2022 12:00 noon



◆ Introduction

The Robotic Soccer competition allows students to understand the structure of EV3 robotics, learn different scientific theories, mechanical structures, to programming theories, and build their own EV3 robots. The Robotic Soccer Game is played by two opposing teams. Each team at most 4 students is allowed to have one robot. Apart from technical and mechanic knowledge, good communication skills, positive attitude, and self-motivated learning are essential qualities for being a team member.

◆ Schedule

Session	Details	Date	Time	Venue
1	Optional Briefing and Training Workshop <ul style="list-style-type: none">Basic Lego EV3 materials can be provided for the training and the competition.The borrowed basic Lego EV3 materials can be borrowed after the training workshop and must be returned on the competition day.Each team must prepare a personal computer with an EV3 program installed for the optional training workshop.	14 Jan 2023 21 Jan 2023	9:00 a.m. – 12:30 noon	InnoLab, 5/F, Hong Kong Baptist University Affiliated School Wong Kam Fai Secondary and Primary School
2	Team Progress Report and preparation The team is required to report the progress monthly	Jan – Mar 2023	To be confirmed	To be confirmed
3	Competition Day Team Registration, Robot Checking, and Testing, First Round, Quarter Finals, Semi Final, Final, Soccer Exhibition Match, Prize Presentation.	1 April 2023	9:00 a.m. – 12:30 noon	School Hall, 2/F, Hong Kong Baptist University Affiliated School Wong Kam Fai Secondary and Primary School

◆ Target Participants

- P4 to P6 students HKAGE student members only in 2022/23 school year
- Class size: 6 (4 representatives and 2 backup members)

◆ Pre-requisite

- Basic programming language is required.

◆ Medium of Instruction

Chinese with Chinese 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.

◆ Certificate

E-Certificate will be awarded to participants who:

- attended all sessions with satisfactory performance
- attend Robotic Soccer Competition.

