

## 18<sup>th</sup> CTEA Cup 2024 Robotic Tournament Creative Technology

### Robotic Competition & WCRC HK Region try-outs

## Purpose

The knowledge and application of Science, Technology, Engineering, and Mathematics (STEM) are integral to our daily life. With intelligent technologies so immersed in students' learning environment, STEM education has become a hot topic globally. By encouraging students to cooperate and work on realizing their innovative designs in mind, they benefit from hands-on learning experience, enhanced teamwork and problem solving skills.

CTEA Cup aims to increase students' interests in science and technology, and also to provide an encouraging platform for creative thinking and learning. With the honorary support of professional and educational institutions, we have been able to achieve our aims and benefit thousands of students.

## Events

Rules of competitions can be accessed on the CTEA website or by contacting CTEA CUP committee.

1. Timed Track Race (Primary Group ONLY)
2. Super Track Race (Primary Group & Secondary Group)
3. Robotics Sumo (Primary Group & Secondary Group)
4. Innovative Electronic Solutions Design Contest (Primary Group & Secondary Group)

## Eligibility

There will be Primary and Secondary Groups for all events except Timed Track Race (where there will only be Primary Group). Secondary school and tertiary students aging from 13 to 19 will be assigned to Secondary Groups. Primary school students aging from 8 to 12 will be assigned to Primary Groups. A team may consist of students from different grades as long as they belong to the same group. There is no limit in the number of teams from each school or institution for all events except Innovative Electronic Solutions Design Contest (see enrolment form).

There must be a teacher or coach in-charge (over age 20) for each team.

Students may build their robots with any kits or custom materials, whichever they find fitting their control units and software so as to perform necessary functions in corresponding competition events. There is no specific brand kit unless otherwise specified. However, students must follow rules and regulations on robot specifications, weight, battery type, and battery voltage output specific to competition events.

## Enrolment Fee

International Teams enrolment fee for each team is 900 RMB or 128 USD per event.

Hong Kong Teams enrolment fee for each team is 750 HKD per event.

## Awards

There will be a Champion, 1st Runner-up, 2nd Runner-up, 3rd Runner-up in each event, each rewarded with a team trophy. Additional awards may be added in selected events.

To acknowledge student's efforts and encourage STEM and robotic learning, First-grade, Second-grade, and Third-grade certificates will be given according to their performance.

## Important Information

Competition date: Hong Kong Teams 7 / 12 / 2024 (Saturday)

International Teams 8 / 12 / 2024 (Sunday)

Venue : Heung To Middle School

Address : 33 To Yuen Street, Kowloon Tong, Kowloon, Hong Kong

Please refer to CTEA CUP committee notices for most up-to-date information. (<https://www.ctea.org.hk>)

16 / 9 / 2024 (Mon) Open for enrolment

23 / 10 / 2024 (Wed) Enrolment closes at 18:00

23 / 11 / 2024 (Sat) Release of schedule of competition events online or via Email

02 / 12 / 2024 (Sat) Submission of entries (technical report) for Innovative Electronic Solutions Design Contest (Only Secondary Group)

## Points to Note

1. A handling fee of 50% of enrolment fee will be charged should there be any amendment on enrolment information a week after the issuance of letter of confirmation.
2. Additional trophy is available at 400 HKD each.
3. Please pay attention to the online announcement (<https://www.ctea.org.hk>) for the arrangement of the competition.

## Enquiries

Contact person: Miss Betty Chow

Telephone / WhatsApp : 6035 2832

Email address : [infoctea1@gmail.com](mailto:infoctea1@gmail.com)

Website : <https://www.ctea.org.hk>

**The enrolment form of the competition can be downloaded on the CTEA website.**