

2025/26 FIRST® LEGO® League Macao Regional Final

FLL Challenge Registration Rules

The champion team of the FLL Challenge (one team only) will be qualified to participate in the FIRST Championship held in the United States in April 2026!

Objectives

- Cultivate students' creativity, critical thinking, and integrated application skills to develop innovative solutions.
- Apply acquired knowledge of mathematics, science, and technology to real-world problems.
- Develop students' technological skills, effective communication, teamwork abilities, and enhance self-confidence.

Season Theme

UNEARTHED™

Students will brainstorm and strategize around the annual thematic robot missions. They will utilize LEGO® Education kits to design, build, program, and test robots in order to complete a series of tasks. Furthermore, students must create and present their team's scientific inquiry and innovative solution based on the annual theme. They are also required to report on and showcase their learning outcomes by constructing models and presentation boards.



UNEARTHED™

Partnership

Organizer: Macao Science Center

Supporter: Education and Youth Development Bureau

Implementer: Macao Gifted Education Association

Eligibility and participation

Primary Group: Students in Grades 4-6. Each team must consist of 6–8 students and 1–2 coaches.

Secondary Group: Junior to Senior Secondary students (participants must be born on or after July 31, 2009). Each team must consist of 6–8 students and 1–2 coaches.

***The competition is open to both school-based and community-based teams.**

Required Kits

2025/26 FLL Challenge Set (#45829) and LEGO® Education kits.

Competition Date

Early February 2026 (to be announced)

Registration

Deadline: From now until 23:59, December 12, 2025.

To register, please visit: www.msc.org.mo

Registration fee: MOP6,000 per team, which includes one 2025/26 FLL Challenge Set (#45829).

Registration

For institutions that register three teams at once, a bundle discount of MOP1,000 off the total amount and one Robotic workshop entry will be provided. Registration is only confirmed after payment is completed.

Briefing Session

Date: October 16, 2025, 17:30–18:30

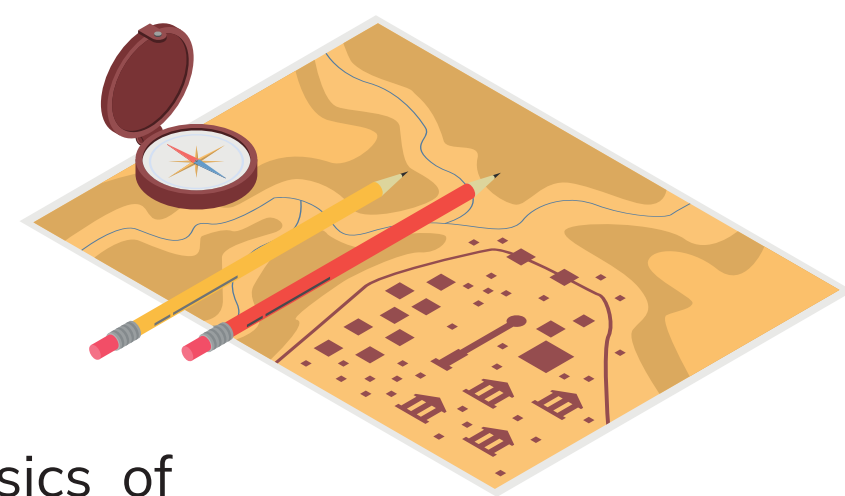
Content: Explanation of competition regulations.

Archaeology Talk

Date: November 23, 2025, 10:30-16:00 (Lunch break 12:30-14:00)
(MSC Convention Center)

Participant cap: 50 individuals; With a maximum of 2 participants per enrolled FLLC team.

Content: Join **Dr. Chan Tak Hou** for a sharing session on the basics of archaeology, recent work in the region, and the challenges in archaeological fieldwork.



Robotic Workshop

Date: December 22, 2025, 14:00–18:00 (Macao Science Center Convention Center)

Fee: MOP800 per coche

Participant cap: 36 individuals; **Limited to one coach per enrolled FLLC team and requires a fee.**

Content: Introduction to tasks by Hong Kong FLL experts, tasks analysis and grouping methods, route strategy planning, and hands-on practice covering 4–5 theme missions. Participants will work in groups of three during the event.

Competition Details The competition consists of two parts:

Part 1: Robot Game Challenge

Teams must design and build a robot, and develop strategies to autonomously complete missions on the season's mission field within a limited time. Each team will participate in three matches, each lasting 2.5 minutes. The highest score among the three matches will be taken as the final score.



Part 2: Project Presentation & Q&A

Teams must present and defend their work in **three major areas:**

- 1. Innovation Project** – Research on the season theme, identify real-world problems, propose innovative solutions, and analyze design concepts using models and posters.
- 2. Robot Design** – Introduce robot structure, functions, originality, iteration process, and demonstrate programming.
- 3. Core Values** – Judges will observe teamwork and collaboration during the presentation.





Project Presentation & Q&A section lasts 30 minutes, including team sharing and judges’ feedback.

Awards

All teams will receive certificates. Primary and Secondary groups will each have awards, with winning teams receiving trophies or medals.

Champion, 1st Runner-up, 2nd Runner-up	Innovation Project Awards	approx.2
Robot Performance Award 1st Place	Robot Design Awards	approx.2
Robot Performance Award 2nd Place	Core Values Awards	approx.2
Robot Performance Award 3rd Place	Merit Awards	multiple



Other Information

1. The official English Robot Game Mission rules shall prevail in case of discrepancies.
2. The winning FLL Challenge team will qualify for the *FIRST*® Championship announced by *FIRST*®.
3. Allocation of Macao representative quotas for the *FIRST*® Championship is subject to the official announcement.
4. Team advancing to the *FIRST*® Championship must pay the international registration fee to *FIRST*® (excluding travel and accommodation).
5. Winning teams may also have opportunities to participate in national or regional competitions, subject to LEGO® Education announcements.
6. The Organizing Committee reserves the final right of interpretation for advancing teams.
7. Results and awardees will be announced on the Macao Science Center website: www.msc.org.mo
8. The organizer has the right to terminate the event, modify regulations, or disqualify teams for misconduct. Any disputes will be subject to final interpretation by the organizer.

For inquiries, please contact:

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