

Date: 25/01/2025

WRO 2025 Friendship Inter-school Competition

1- Introduction


The main purpose of friendship competitions is to familiarize students with WRO. The games and rules of this competition are similar to the rules of the WRO 2025, with the difference that we have simplified it and there is no randomization. Therefore, *the position of the game objects is predetermined, and will be the same as the example of randomization in the rules of the RoboMission for each age group.*

2- Age Groups

AGE GROUP	AGE	2025 SEASON- BORN YEARS	
ELEMENTARY	8 – 12 Years Old	2013	2017
JUNIOR	11 – 15 Years Old	2010	2014
SENIOR	14 – 19 Years Old	2006	2011

For participation in the international WRO final it is strictly enforced that participants cannot, at any time in the year of the competition, be older than specified in the age group definitions. The maximum ages reflect the age that the participant turns in the calendar year of the competition, **not** his/her age at the competition day.

3- Different Categories in Friendship Competition



RoboMission

Age: Elementary: 8-12 | Junior: 11-15 | Senior: 14-19

Team size: 2-3 people guided by a coach

Hardware: LEGO® based


Software: Free choice

Maximum size: Max. 25 x 25 x 25 cm

Characteristics: Build and program a robot that solves challenges on a field.

WRO® RoboMission is a challenge-based competition. Students must design, construct and program an autonomous robot that can solve specific challenges on a field. Because the field is set up randomly each round, the robot needs to be able to make its own decisions during the run.

Note: WRO RoboMission was called Regular category until 2021.



Future **Innovators**

Age: Elementary: 8-12 | Junior: 11-15 | Senior: 14-19

Team size: 2-3 people guided by a coach

Hardware: Free choice*

Software: Free choice

Maximum size: Must fit in 2x2x2m booth

Characteristics: Develop a robot project that helps solve real world problems.

(* Teams at WRO International Final have the option to win the LEGO Education creativity award if they mainly LEGO branded controllers.

Our Future Innovators category is a project-based competition. Students create their own innovative intelligent robotics solution relating to the current theme of the season. There is no restriction on the use of materials. This includes free choice of controllers, motors, sensors, etc. Teams will present their project and their robot model to a group of judges on the competition day. The judges will not only grade the robot solution but will also look at aspects of innovation and entrepreneurship.

Note: WRO Future Innovators was called Open category until 2021.

4- Team Definition

- Competitions in WRO are team based. A team consists of two (2) or three (3) team members.
- Each team is assisted by a coach. For the International Final the coach needs to be at least 18 years old.
- One (1) coach and one (1) team member is not considered to be a team and cannot participate.
- Any student may participate in one team only!

5- Playing Field & Booth Dimensions

- All playing field dimensions are mentioned in the **General Rules for each category**.
- If inside table dimensions exceed mat size, then note the guide in the category rule documents on how to place the mat inside the table.
- All RoboMission games are carried out on a field mat provided as a downloadable file from the WRO website.
- The Future Innovators teams must present their model in a 2m x 2m x 2m booth. At the international final, it is enforced that teams place nothing outside their booth.



6- Registration

To register your team please visit the following website, and fill in all the required fields, and click on the submit button:

<https://www.roboticktick.com>

Coaches can collect all the information and files, to do the registration of their team.

For ease of work, it is better that one person registers each team, and coaches are the best choice.

Don't forget to take a nice picture of all the team members together and upload it when registering.

7- Important Dates

February 22nd	<i>Friendship Inter-school Competition</i>
May 31st	<i>National Competition of OMAN</i>
October 23rd ~ 25th	<i>Open Championship Saudi Arabia</i>
November 26th ~ 28th	<i>Final International WRO 2025 Singapore</i>

Note: The Location of Friendship Inter-school Competition is **Cheltenham Muscat School**.

8- Registration Fees

Registration Fee per participant: **20 OMR**

We recommend one of the team members / parents pay the entire registration fee to one of the following account numbers. Coaches must upload the receipt in the relevant section when registering.

Name: **Prosperity Tower Information Technology L.L.C**

Bank Name: Sohar International

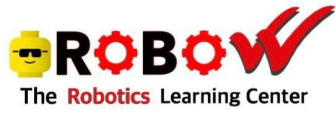
Account Number: **023020012810**

or

Name: **Vahid Ali Jourabchi**

Bank Name: Bank Muscat

Account Number: **0313 05595492 0011**



If you have any questions, please contact us.

You can check the National Organizer of your country, on the following website:

<https://wro-association.org/about-wro/association/member-countries>

Best Regards,

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