

CirNo35/AJS/AY2021-22/MARCH

14th March 2022

Subject: WORLD ROBOT OLYMPIAD REGISTRATION

Dear Esteemed Parents,

Greetings from Al Ain Juniors School!

Together with the initiative from Department of education and Knowledge (ADEK), we are delighted to invite you to participate in the 14th edition of the global robotics competition World Robot Olympiad (WRO), targeting students aged 8 to 19. The competition aims to enhance student's skills in STEM, creativity and problem solving to inspire a future generation of scientists, engineers and inventors.

This year's competition is running with the theme "My Robot, My Friend" which represents a combination of robotics and artificial intelligence. Within the theme, challenges will be based on showcasing the various ideas of how robots can help and interact with humans.

The competition dates will be as follows:

Competition	Description	Location	Dates
WRO UAE	UAE teams compete against each other in the national qualifier	Virtual	3 – 5 June 2022
WRO International Finals	WRO UAE finalists will then compete against global teams	Physical in Germany	7 – 29 November 2022

Below are the four competition categories and their descriptions:

#	Category	Type	Ages	Description
1	RoboMission	Challenge-Based Competition	<ul style="list-style-type: none"> Elementary: 8-12 years old Junior: 11-15 years old Senior: 14-19 years old 	Students must design, construct and program an autonomous robot that can solve specific challenges on a field at a set time Click here to learn more
2	Future Innovators	Project-Based Competition	<ul style="list-style-type: none"> Elementary: 8-12 years old Junior: 11-15 years old Senior: 14-19 years old 	Students must design and develop their own innovative and intelligent robotics solutions to solve real world problems Click here to learn more
3	Future Engineering	Research-Based Challenge	14-19 years	Students must design and develop an autonomous (self-driving) car to drive around a track and avoid obstacles along the way Click here to learn more
4	RoboSports	Collaborative Two-Team Challenge	11-19 years	Teams must design and develop two autonomous robots, which they use to compete against another team Click here to learn more

Interested students should register their names through the link [here](#).

Best Regards,
AJS Administration