

WER USA 2020-2021 "Internet of Things" - Hybrid World Educational Robotics Tournament - USA Chapter

The World Federation of Educational Robotics invites Elementary, Middle, and High School students from public and private institutions to participate in The WER 2020 "Internet of Things" Tournament. Due to the health and social conditions that we are currently experiencing, WER USA designed a competition in which the participants' health and integrity is top priority while still providing a meaningful life experience.

The WER USA 2020-2021 Hybrid will hold qualifying tournaments in virtual form. The top-ranking teams and/or individuals from these qualifying events will win a pass to participate in the National Finals, which will be held in a face-to-face competition with all the measures established by health authorities.

Who can participate?

Team size: Individual Competition: 1 participant

Categories: Individual Competition: 9-12 years old

Registration start date: October 7, 2020.

Competition format

Theme 2020: Internet of Things

Kits authorized to compete: Individual Competition: Robotics U.

WER Virtual Qualifiers Tournaments. Each of these tournaments will consist of 2 phases:

Asynchronous Virtual 1st stage. The challenge will be revealed two days before each virtual face-to-face competition. Teams will have a deadline to upload their video with the solution for the challenge until 8:00 pm the day before their virtual face-to-face competition takes place. This stage will be focused on the evaluation of analysis and problem-solving skills through innovative designs.

2nd stage Virtual face-to-face. It will be synchronous with activated video from each participating team. The participants will have to be connected concurrently through a communication platform that will be provided by WER. Students will have to perform a series of challenges against the clock, applying their technical knowledge of assembly and programming. The teams will have to record and upload a video to the official platform of WER US. All challenges will need to be solved within a designated time limit. The time at which each video (solved challenge) is uploaded to the platform will be considered as official.

The first stage of the virtual qualifying tournament will have a weight of 25% of the final score, and the second phase will weight 75% of the final score. A panel of judges will evaluate both phases, and the results will be revealed two business days after the competition. **The competition rules for the WER Virtual Qualifier tournaments will be announced on November 16, 2020.**

The In-person National Tournament WER USA 2020 – 2021. The detailed competition phases and dynamics will be revealed three business days after the last WER Virtual Qualifier tournament.

Steps to get to represent the USA internationally:

1-. WER Virtual Qualifier:

January to April 2021.

Each category will have virtual qualifying events. Of all the virtual qualifying events, the very top-ranking teams/participant by category will win a place to participate in the National WER tournament. The number of teams/participant to qualify to the on-site WER National tournament will be confirmed with the events' venues and dates.

2-. USA National WER:

End of June 2021.

Each category will be represented in The WER National tournament, which is designed to meet all the official sanitary regulations. The 3 top-ranking teams from the Individual Competition will receive \$1,000 USD on products and services at Novum Education. It can be used to purchase Educational Robotics Kits and/or any course available from their catalog. Visit: www.novumedu.com for more info. Or send an email to contact@novumedu.com.

3-. WER International Tournament:

Competitors from Individual Competition will not get a pass to participate at International Events. If they want to participate, they need to register in the Elementary School category. Visit the Elementary School Category for more information.

For more information:

Visit: <http://www.wergame.us> and <http://www.novumedu.com/wer>

Contact us through email: contact@novumedu.com

Chat: www.novumedu.com