

World Educational Robot Contest (WER) is launched and hosted by the Federation of World Educational Robot. It is an international robotics event which aims at preteens and teens (ages 6-18) and attracts more than 300,000 contestants from over 20 countries to participate in WER trials each year.

**WER**  
World Educational Robot Contest

# WER Introduction



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World Educational Robot Contest

Official Website : [www.WERcontest.org](http://www.WERcontest.org)

International Contest Consulting : [wer@wercontest.org](mailto:wer@wercontest.org)

Rules Consulting : [rules@wercontest.org](mailto:rules@wercontest.org)

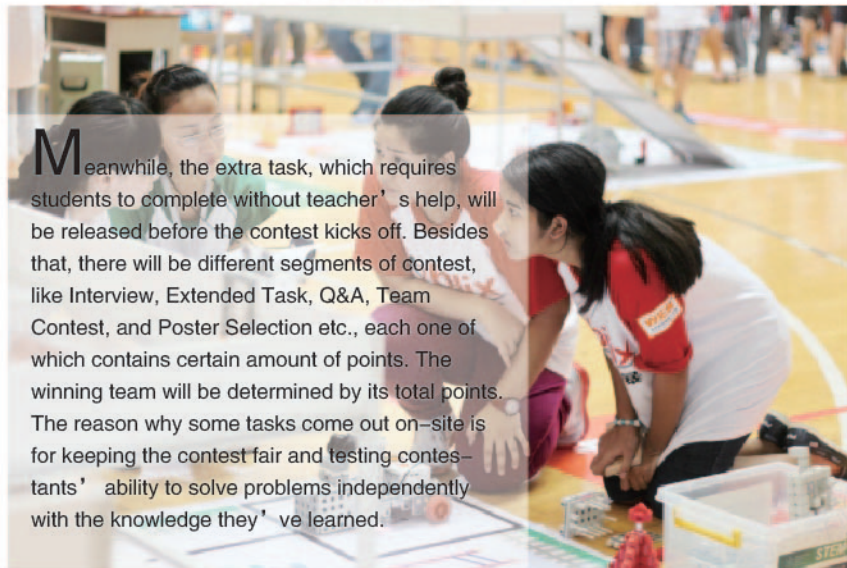
Competition Equipment Consulting : [chris@abilix.com](mailto:chris@abilix.com)

**Abilix**



## About WER

WER, an acronym for World Educational Robot contest, is initiated and hosted by the Federation of World Educational Robot. WER is an international robotics competition which aims at 6–18-year-old students and attracts more than 300 thousand contestants from over 20 countries to participate in the WER trials each year.



## Goals

- To be the most important educational robot contest in the world
- To be the largest educational robot contest in the world
- To be the educational robot contest with the most advanced and detailed projects in the world
- To be the educational robot contest that is favored by preteens and teenagers around the world
- To be the leader of those who train young people in technology literacy and teach them about science and technology
- To be the leader of those who inspire young people to succeed in analysis, creativity and application capabilities
- To be the leader in cultivating and selecting technical genius





## Six Competition Elements under WER

### Creative Brick Contest



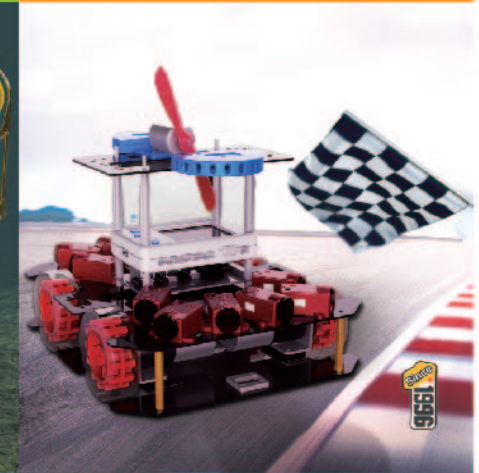
### Humanoid Robot Contest



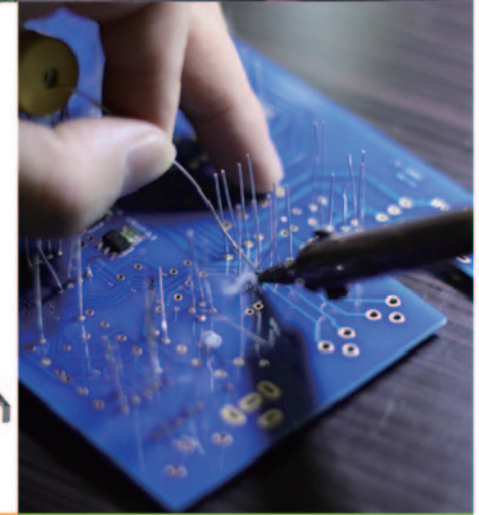
### Underwater Robot Contest



### Mobile Robot Contest



### Flying Robot Contest



### Creative Robot Design Contest

## Founder



Jake Mendelssohn, who was a professor at Trinity College, co-founder of Educational Robotics, school program manager of Connecticut Science Center in Hartford, and winner of “Christopher Columbus Technological Innovation Fund”, is now the chairman of WER.

Prof. Jake Mendelssohn also created and organized the earliest robotics contest, Fire-Fighting Home Robotics Contest. In 2013, he and his partners founded WER, which aims to popularize the technology education based on educational robotics around the world.

Now, he's also the Outreach Director of the Connecticut Robotics Society, which is founded by Prof. Jake Mendelssohn 31 years ago, dedicating to promote robot innovation and invention of schools.

## Development



June, 2013

The first WER was held in Shanghai, which attracted more than 100 teams from all over the country and was well received by teachers and students. All these are due to that it's the first educational robotics contest that has the tasks released and robots tested on-site, and requires students to finish debugging at the same time without teacher's guide, namely, totally depends on their practices and cooperation.

More than 1000 teams from across the country attended the WER Chinese Invitational Tournament. Meanwhile, this tournament also attracted contestants from Italy, America, Israel, Philippines and so on.

August, 2013



July, 2013

WER is formally listed as the project in National Computer-based Activities for Primary and Secondary Schools. WER contest was conducted in full swing around the country.

The WER American Invitational Tournament attracted students from America, China, Canada, and Japan etc., among which Chinese delegation won the champion as its total score ranked the highest.

August, 2014



November, 2014

WER China Finals

In the WER East China Open, there are over 800 contestants participating in the single regional contest.

March, 2015



July, 2015

In WER Canadian Championships, participants from China, Canada, India and Germany awed us with their talents. Liu Fei, Consul General of the People's Republic of China in Vancouver, came to cheer for Chinese contestants.

There are over 30 countries holding regional contests of different scales, including China, America, Philippines, Malaysia, Singapore, Brazil, Chile, Mexico, Russia, France, Spain, Italy, British and Switzerland etc.

2015





## Contest Form



Each contest is mainly divided into two segments: “Preset Tasks” (40%) and “On-site Task” (60%). Some extended tasks like Video Selection, Team Presentation, and Interview etc. will be added into the projects according to competition levels, and will be scored separately.

## How to Apply

Competition notification will be posted on WER official website ([www.wercontest.org](http://www.wercontest.org)) three months before the game starts, with online registration system open at the same time.

WER 2015 adopted online registration, which required teachers to register over the network. The theme of WER contest comes out globally each August.

Registration Website: <http://www.wercontest.org/reg/>



## History

Intelligent Robot Housekeeper



Prehistoric Age



The Origin of Civilization



Move the Earth



## 2016 Contest Schedule



## Kits for WER Ability Contest

### WER Ability Contest Kit (C202)



- With this kit, users can complete all the tasks in the WER Ability Contest;
- Contestants build and program the wheeler, and test their own solutions by themselves;
- The kit contains: 1 Ccon102 controller, 2 closed-loop motors, 5 grayscale sensors, 338 structural components, 1 chargeable battery, cable and building manual;
- VJC4.2 Flow Chart Programming Software

### WER Ability Contest Task Models Kit (C202T)



- 402 components of 2016 season WER RA Task Models Kit ;
- One arena map (2m\*1m) for WER 2016 season;
- Velcro for fastening Arena Task Models;
- Building Manual for Task Models.

### WER Ability Kit II (C203)



- With this kit, users can complete all the tasks in the WER Ability Contest;
- Contestants build and program the wheeler, and test their own solutions by themselves;
- The kit covers: 1 Ccon102 controller, 3 motors, 5 grayscale sensors, 343 structural components, cable and design guide;
- VJC4.2 Flow Chart Programming Software