

# UNIVERSAL ROBOTICS CHALLENGE 2024

## Idea Contest Competition Overview

Published April 1 (Mon), 2024

- 1. Qualifications** Must be an elementary or junior high school student
- 2. Entry Fee** Consult your local Universal Robotics Challenge partner for details
- 3. Application Period** **July 5 (Fri) to August 16 (Fri), 2024**
- 4. Screening** Winners will be selected from the top Japanese as well as the top international participants based on a thorough review from the Executive Committee.

- ★ International submissions will be evaluated using the same criteria by a separate committee.
- ★ Winning teams will also receive prizes provided by the sponsors of the competition.
- ★ Prizes are determined regardless of the number of members in the winning team.
- ★ World Finals reviews will include committee members from all participating countries, meaning that interpretation may be required.
- ★ Executive Committee will not translate videos into English. Only submitted videos will be reviewed.
- ★ The committee will evaluate each project on originality, technical skill, and design.
- ★ The presentation itself will not be evaluated this year. The evaluation will be limited to the projects themselves rather than the quality of the video and the explanation. Every presenter, however, should make their best effort to show the functions and features of their project in the video.

## 5. Results

The results of the World Finals will be announced online on **October 30 (Wed), 2024**.

- ★ Schedule is subject to change.

## 6. How to Apply

- ① Use official competition materials to build a robot according to this year's theme.

★ Program file for the robot must be submitted along with application.

**Theme**

A Better World for All

Inspired by Sustainable Development Goal 3, which works to promote good health and wellbeing for people of all ages, this competition challenges participants to design, develop, and build an innovative machine, robot, or system that makes the world a better place for everyone!

**Official Materials**

● Studuino, Studuino:bit Core Unit, Studuino Lite, Artec Links, micro:bit, ArtecRobo micro:bit Expansion Board

● ArtecRobo and/or ArtecRobo 2.0

● Artec Blocks

● Craft materials (rubber bands, string, paper, etc.)

★ Keep in mind that craft materials should be non-electric and easily purchased from any arts and crafts store or home improvement center.

★ Submissions may use computers and accompanying peripherals such as mice, keyboards, web cameras, microphones, and headphones to control the machine or robot.

- ② Make a video introducing your robot. This video can include either voiceover or text and should be two minutes or less in length:

[Sample Video](#)



- ③ Upload the video for your robot to YouTube. Follow the guide below to find out how to upload your video:

[Uploading to YouTube](#)



Find out more about the Universal Robotics Challenge at

<https://www.urc21.org/en/>

