



Competition Rules for Arduino Challenges

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Disclaimer

It is your responsibility to read and understand this document on a regular basis because we may update it from time to time.

If you have questions, please contact our
Arduino Team at orcarduino@gmail.com.

Team Requirements

Each team must have one team captain who is responsible for making sure their team has fully read the rules of any challenges they are register in before competition day. The team captain is also responsible for corresponding with the ORC Arduino team if they have any questions. Each team will be responsible for approaching judges for any questions and/or clarifications about the rules.

Any non-team member (team supervisor, parents, mentors, etc.) must act in an advisory role only. Otherwise, your results may be invalidated.

Teams are expected to submit their robot's code before the day of the competition.

Approved Robots/Parts

Any Arduino-based robot is approved for use for any of the Arduino challenges, as long as it conforms to the rules for the specific challenge. Each team must build and program their robot before competition day. We recommend some specific robot kits depending on the challenge:

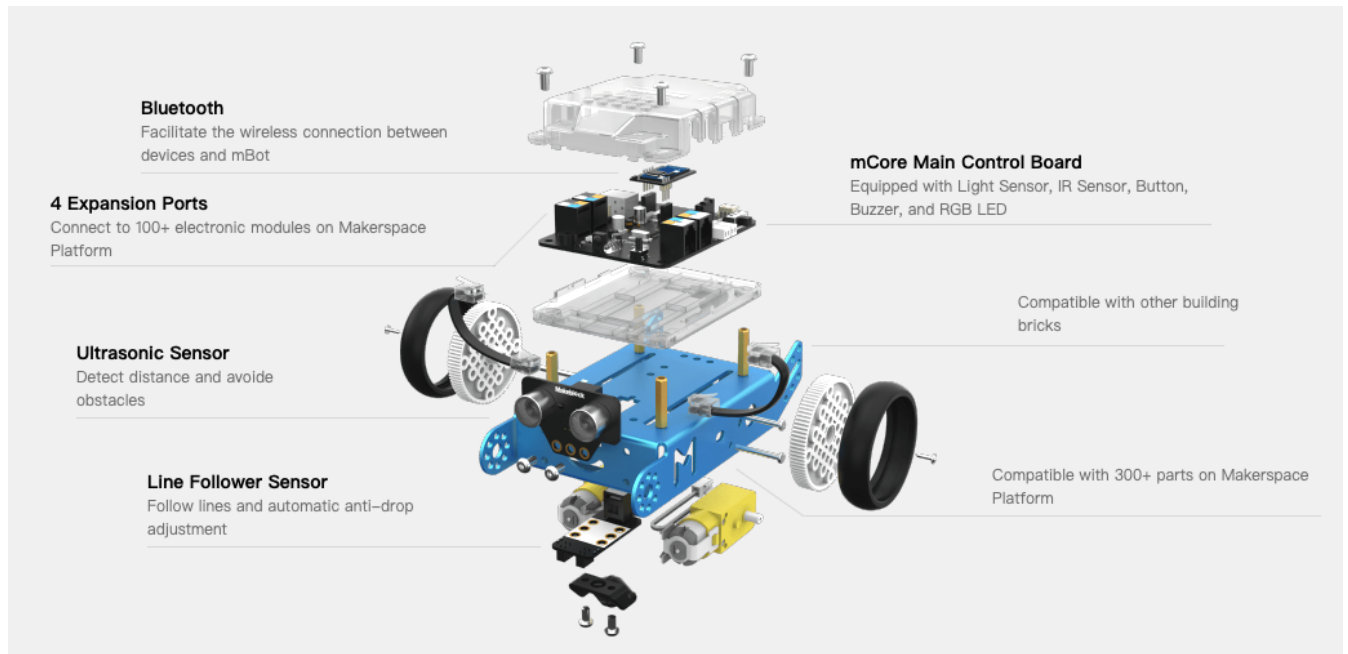
Moon Rover Challenge

The recommended robot for the Moon Rover Challenge is the Makeblock mBot.

[Makeblock mBot](#)



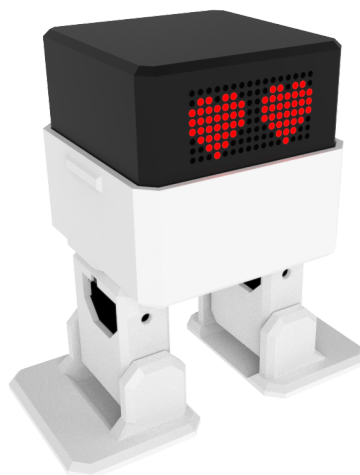
The Makeblock mBot has the following components:






Dancing Robot Challenge

The recommended robot for the Dancing Robot challenge is the [Otto DIY Emotions Kit](#).

Otto DIY Emotions Kit



The Otto DIY Emotions Builder Kit has the following components:

-  3D Printed Shell (not shown in picture)
-  Otto Nano Microcontroller I/O board
-  Micro USB cable

- 🔋 Rechargeable battery already included!
- 📄 Printed Instruction Manual
- 👁️ Matrix LEDs 16×8
- 👉 Touch sensor
- ⚙️ 4 x micro servo motors with set of screws.
- 🔊 Buzzer
- 🌈 DuPont easy to connect cables
- 🔧 Phillips screwdriver

