



# Guidelines

## Indiana 4-H Robotics Challenge

The 2020 Robotics Challenge will bring together Indiana 4-H members and supporters to showcase the learning and accomplishments of youth throughout the 2019-2020 4-H Year. In short, this is more than a challenge, it is also a **CELEBRATION!**



### General Guidelines

- Teams will have from approximately 11:00 a.m. to 2:00 p.m. to build and program their robots. The challenge portion of the event will begin at 2:00 p.m.
- Teams must consist of 2-5 individuals.
- Equipment: Teams can use an approved robotics system. With the variety of robots available, teams may use any robot that is programmable. Controllers will not be allowed for this competition.
- All equipment must be disassembled prior to the event.
- The challenges will be broken up by age division: Basic LEGO, Advanced LEGO and VEX categories.
- There is no limit on entries from a county, however only 10 teams will be accepted from each division.
- Any term, condition or interpretation not covered here will be decided by the challenge organizers. Their decisions will be final.

### WHEN:

April 18, 2020

Registration 10:00 a.m.\*

Orientation 10:30 a.m.\*

Build 11:00 a.m.-2:00 p.m.\*

Competition 2:00-3:30 p.m.\*

\*Eastern Time

### WHERE:

Hamilton County 4-H  
Fairgrounds – Llama Barn

2003 Pleasant Street  
Noblesville, IN

### TO REGISTER:

Registration will be completed through 4-H Online Event Registration.

Contact your County Extension Office for instructions on how to register.

A 4-H Volunteer or Educator must register each team.

### Registration Deadline:

April 10, 2020

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### **Contest-Specific Guidelines**

Upon registration, teams will be given 3 challenges for their Division. They must choose 2 to complete for the competition. Each team will get 2 attempts to successfully complete the challenge and the best score will be kept. The team must use autonomous programming for the robot. Expansion kits or more than one robot may be used by teams in preparation, but only one robot can be used for the challenge. Teams will be encouraged to use resources to help them on the day of. For EV3 and NXT, it is encouraged to learn how to use the Lego Educator. This is a great resource on the challenge day!

### **Registration Information**

When completing 4-H Online to register teams you will need the following information:

1. Team Name
2. Category in which your team is entering
3. Names of all team members (2-5 members per team)
4. Grade for each team member as of January 1, 2020

Registration Deadline: April 10, 2020

For more information, contact:  
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