

512 Robotics Master

Project Description

Want to continue with robotics after completing the existing Ohio 4-H robotics projects? Want to explore robotics with a different platform (other than LEGO® Mindstorms EV3)? Members of any age may complete this project but should have previous robotics experience (comparable to what is required for other advanced-level 4-H projects), and be able to plan and complete the project on their own with minimal supervision.

To Complete the Project

1. Plan, design, building, program, and evaluate at least 1 robotics project. What you make should be different from what you can make within the guidelines of other 4-H robotics projects or require specialized or professional-level skills to complete (beyond what would be expected in other robotics projects).
2. Take part in at least 2 learning experiences, as outlined, and planned in section 2.
3. Take part in at least 2 leadership/citizenship activities, as outlined, and planned in section 3.
4. Explore career opportunities in which you might apply or use what you learn by completing this project, as outlined in section 4.
5. Keep records of what you do, when you do it, how much you spend, and what you learn as you complete this project.
6. If possible, have someone take pictures of you working on your project at difference stages as you progress from the beginning through completion and attach copies of the photos in section 6 or in a separate project scrapbook.
7. Take part in 4-H project judging. If you choose not to participate in judging, plan to discuss and review completion of your project with your 4-H Advisor.

Judging of this Project

Interview judging for this project will be on Non-Livestock judging day at the Jr. Fair building. Please refer to the 4-H calendar for judging dates.

*Requirements for Judging:

1. Completed project book.
2. Custom robot and a display of something learned in the project.

Project Display

Prepare a display that shows the judge and fair visitors what you learned and accomplished in your project. For example, something you made, visuals or other items used to complete project activities, or a poster to share learned information.

Your project book cannot serve as your project display.

Display Areas

At the Wood County Fair, your 4-H project will be displayed in the Wood County Jr. Fair building in your 4-H Club assigned booth.

Project Pick-Up

You must pick up your project display at the end of the fair or arrange for someone to get it for you. Please refer to the Wood County Fair book or the 4-H Newsletter for project release times.

Projects not picked up by 3:00 p.m. on the last day of the fair will be disposed of.

***Ohio State Fair Project**