

## 2023 Ashland County 4-H Project Requirements Science, Engineering and Technology Projects

493 Science Fun with Kitchen Chemistry	*531 Science Fun With Electricity	612 Geology: Can You Dig It?
500 Science Fun with Physics	*540 Not Just Knots	613 Exploring Polar Science
*501 Rockets Away	*541 Crank It Up	620 Why Trees Matter
*502 Science Fun with Flight	*542 Warm It Up	621 Ohio Birds
*503 Rockets Away (Estes)	*543 Tune it Up	622 Trapping Muskrats in Ohio
*503M Solid Fuel Rocketry Master	*550 Young Eng. in Solar Energy	623 Outdoor Adventurer: Beginning Fishing
504 Electric Radio Controlled Vehicles	*551 Tractor Level A	624 Outdoor Adventurer: Intermediate Fishing
	*552 Tractor Level B	
	*553 Tractor Level C	*630 Safe Use of Guns
509 Robotic Essentials	*554 Tractor Level D	*631 Basic Archery
*512M Robotics Master	555 ATV Safety	641 Beekeeping
517 Bicycle for Fun, Level 1	*556 Measuring Up	*644 Insect Adventures 1
518 Wheels in Motion, Level 2	*557 Making the Cut	*645 Insect Adventures 2
*527 Magic of Electricity	*558 Nailing it Together	*646 Insect Adventures 3
*528 Investigating Electricity	*559 Finishing It Up	673 Edible Landscapes
*529 Wired for Power	*560M Woodworking Master	752 Shotgun
*530 Entering Electronics	*573 Arcs and Sparks	755 Muzzleloader
	611 Explore the Outdoors	
		756 Living History

### Judging

- All these projects will be judged on July 18 or August 2. Appointments for judging can be made online beginning June 1. The link to the sign up will be sent in the weekly 4-H Email Newsletter. If you are unable to sign up online call the Extension office at 419-281-8242 to schedule.
- Note: Not all projects have a state fair competition.

### **For all projects above bring the following to judging:**

- Completed project book/records
- Educational display
- Any other items you would like to show the judge.

See the list below for specific items that must be brought/completed for certain projects.

**501-503:** Bring rocket or airplane made

**504:** Bring radio-controlled vehicle

**540:** Bring display board of 10 knots.

**556-560M:** Bring one item made.

**\*\*See Reverse for more\*\***



- 573:** Bring one item made.  
**621:** Bring one bird feeder made.

**630-631:** **NO** guns or arrows may be brought to judging or to fair.

**752, 755, 756:** Must be enrolled in Top Shots and under the supervision of a certified instructor of that discipline.

### **Ashland County Junior Fair Exhibit**

1. Complete a Junior Fair entry for your project online before the August deadline.
2. Bring your Educational display or item made to display at the fair.

\*671 How Does Your Garden Grow?  
691 Grow Your Own Vegetables

692 Growing with the Seasons

### **Judging**

All of these projects can be judged by a home visit in late June/early July or the above judging times at the Extension office. Members wishing to have a home visit must call the Extension office by July 1.

#### **For all projects above, bring the following to judging:**

- Completed project book/records
- Educational Display
- If doing the home visit, the judge will look at garden plot(s) during judging.
- For office judging, bring completed project book/ records and photos of your garden and bring a selection of flowers or vegetables grown for examination by the judge.

### **Ashland County Junior Fair Exhibit:**

1. Make a Junior Fair entry for your project online before the August deadline.
2. Bring your Educational display or item made to display at the fair.
3. If bringing plant material follow these guidelines: Annual flowers - an arrangement of 3 to 5 types; vegetables - a collection of 3 to 5 types grown.

