

Rocket Projects

Project # & Name	Targeted Age & Project Levels	Project Requirements for County Participation	Important Dates & Locations
<p>501 – Rockets Away (2-Liter Bottles)</p> <p><i>Project Cannot Be Repeated</i></p> <p>For more information on the 4-H Rocket projects and resources please visit: https://ohio4h.org/rocketry</p>	<p>Beginner: No experience or those who are 10 to 17 years old.</p>	<p>Follow and complete the Member Project Guidelines on pages 2-5 of your project book.</p> <p>Required Participation:</p> <ul style="list-style-type: none"> ○ Judging <p>Exhibition</p> <ul style="list-style-type: none"> ○ You will need to bring your 2-liter bottle rocket and completed project book. ○ During judging you will be launching and retrieving your rocket. ○ Launchers are available for loan from the OSU Extension Office. ○ Members using the 2 Litter Bottle Rockets should incorporate the following safety measures: <ul style="list-style-type: none"> ▪ never pressurize bottles above 100 psi ▪ never use bottles showing signs of wear or fatigue ▪ when pressurizing bottles, turn face and ears away from the launcher ▪ never stand closer than three feet to launcher when pressurizing or pulling launch pin ▪ all other individuals, including timers, must stand back at least 30 feet ▪ secure launch pin with a back stop to avoid injury to person pulling launch cord ▪ provide eye protection for persons pressurizing rocket and pulling launch cord ▪ never force a bottle onto the launch stem of the launcher, irregular shaped openings can cause damage to the launcher’s “O” ring and possible harm to the launch team. ▪ when purchasing a replacement “O” ring for a launcher ask for size 1/16" x 13/16" x 11/16" 	<p>Rocket Judging</p> <ul style="list-style-type: none"> ○ July 6 – Please use the following link to schedule your time to be judged: https://go.osu.edu/2023rockets ○ Judging will start at 6:00 p.m. that evening at the Ramser 4-H Activity Center <p><i>State Fair Eligible on STEM Day:</i> https://ohio4h.org/sites/ohio4h/files/imce/Families/state_fair/STEM%20DAY%20revised_0.pdf</p>



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AND ENVIRONMENTAL SCIENCES



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<p>503 – Rockets Away (Estes-Type)</p> <p><i>Project Cannot Be Repeated</i></p> <p>For more information on the 4-H Rocket projects and resources please visit: https://ohio4h.org/rocketry</p>	<p>Beginner: No experience or those who are 8 to 10 years old.</p>	<p>Follow and complete the Member Project Guide on page 3-5 of your project book.</p> <p>Required Participation:</p> <ul style="list-style-type: none"> ○ Judging <p>Exhibition</p> <ul style="list-style-type: none"> ○ You will need to bring your estes-type rocket that you designed from scratch or from a kit. ○ Completed project book. ○ During judging you will be launching and retrieving your rocket. 	<p>Rocket Judging</p> <ul style="list-style-type: none"> ○ July 6 – Please use the following link to schedule your time to be judged: https://go.osu.edu/2023rockets ○ Judging will start at 6:00 p.m. that evening at the Ramser 4-H Activity Center <p><i>State Fair Eligible on STEM Day</i> TBA</p>
<p>503M – Solid Fuel Rocketry Master</p> <p><i>Project Cannot Be Repeated</i></p> <p>For more information on the 4-H Rocket projects and resources please visit: https://ohio4h.org/rocketry</p>	<p>Advanced: Experience or those who are 14 years old or older.</p>	<p>Follow and complete the Project Guidelines on page 2 of your project book.</p> <p>Required Participation:</p> <ul style="list-style-type: none"> ○ Judging <p>Exhibition</p> <ul style="list-style-type: none"> ○ You will need to bring your solid-fuel model rocket that you designed and built. ○ Completed project book. ○ During judging you will be launching and retrieving your rocket. 	<p>Rocket Judging</p> <ul style="list-style-type: none"> ○ July 6 – Please use the following link to schedule your time to be judged: https://go.osu.edu/2023rockets ○ Judging will start at 6:00 p.m. that evening at the Ramser 4-H Activity Center <p><i>State Fair Eligible on STEM Day</i> TBA</p>