

**#503 – ROCKETS AWAY (Solid-Fuel Model Rockets)**

## General 4-H Project

- ✿ Member **MUST** participate in County Project/Interview Judging or 4-H Project will be INCOMPLETE.
- ✿ Member must attend **General 4-H Project Judging Day** to be eligible for County Placement and State Fair Selection (if applicable).
- ✿ If the member cannot make Project Judging, your project can be judged at Early Judging. However, Early Judging participants will not qualify for County Placement or State Fair.
- ✿ Project must be displayed at the Ross County Fair to receive fair premiums.
- ✿ **For Project Judging Dates & Times & Details:**  
ASK your Club Advisor  
READ the *May Family HOTLINE* sent to every 4-H family  
LOOK on the 4-H website <http://ross.osu.edu>

**Skill Level:** Beginning

**Project Completion:**

1. All 3 interest areas
2. At least 2 organized project activities
3. At least 2 leadership/citizenship activities
4. Build and launch a solid-fuel model rocket from a kit
5. Prepare an educational exhibit based on this project (item made from project book, photo exhibit, notebook, scrapbook or poster (minimum 14" x 22" and maximum 22" x 28")).

**Judging:**

1. Interview based on skills learned, activities completed and educational exhibit.
2. Bring to interview on General 4-H Project Judging Day:
  - a. Completed project book
  - b. Completed educational exhibit
  - c. The Solid-Fuel Rocket you built

**County Fair Exhibit:**

An educational exhibit relating to project work displayed in a fair booth.

**State Fair Competition:**

1. State Fair participants will be selected during county-level competition on General 4-H Project Judging Day.
2. Event: STEM Day  
Completed project book, display, and interview.  
\*Display should be limited in size to what the participant can maneuver on his/her own

**Additional Resources:**

2-Liter Bottle Rocket Launchers –*Endorsement of these products by Ohio State University is neither intended nor implied.*

|                                   |                       |
|-----------------------------------|-----------------------|
| Aquaport II Water Rocket Launcher | pitsco.com            |
| Blast Away Launcher               | blastawaylauncher.com |
| EZ-Launch Pop Bottle Launcher     | ez-launch.com         |
| Bike Pump                         | pitsco.com            |

Other cool websites:

|   |   |
|---|---|
| Astronomy Picture of the Day                            | <a href="https://apod.nasa.gov/apod/astropix.html">https://apod.nasa.gov/apod/astropix.html</a>                       |
| Astronomy at Franklin University                        | <a href="https://www.fi.edu/space">https://www.fi.edu/space</a>   |
| OSU Science Alive site & Interactive "Design Zone" game | <a href="http://www.ohio4h.org/sciencealive/rocketsaway.html">http://www.ohio4h.org/sciencealive/rocketsaway.html</a> |

