#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](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](http://www.pitsco.com)
- Blast Away Launcher [blastawaylauncher.com](http://www.blastawaylauncher.com)
- EZ-Launch Pop Bottle Launcher [ez-launch.com](http://www.ez-launch.com)
- Bike Pump [pitsco.com](http://www.pitsco.com)
- Other cool websites:
  - Astronomy at Franklin University [https://www.fi.edu/space](https://www.fi.edu/space)
  - OSU Science Alive site & Interactive “Design Zone” game [http://www.ohio4h.org/sciencealive/rocketsaway.html](http://www.ohio4h.org/sciencealive/rocketsaway.html)