

## **501 - ROCKETS AWAY ( 2-liter Bottle Rockets)**

### **General 4-H Project**

- ✿ For project COMPLETION and GRADE, Member MUST participate in either:
  1. **County 4-H Project Judging Day** – Ross County Fairgrounds  
Member is eligible for County Awards (Judges' Choice, Outstanding, Honorable Mention) and State Fair Selection (if applicable)
  2. **Early 4-H Project Judging** – Ross County Service Center  
Members unable to attend County Project Judging Day should plan to attend Early Judging. Member is eligible for County Rosettes (Outstanding, Honorable Mention).  
*\* Exception for State Fair selection at Early Judging - If there is only one member judged in a project, then the judge has the option to select a state fair representative.*
- ✿ Complete "Thank You" note activity (see copy of instruction sheet included in your project book)
- ✿ To receive Fair Premiums, your project must be displayed at the Ross County Fair in a Jr. Fair Building booth.
- ✿ **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 App or website <http://ross.osu.edu>

**Skill Level:** Beginning (ages 8 – 10)

#### **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 "2-liter" bottle rocket
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").
  - a. Example: The 2-liter bottle rocket you built with all the parts labeled
  - b. Example: Build Hero Engine (pg. 10). Create a poster with results and photos of experiment.
  - c. Be imaginative!

#### **Judging:**

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

#### **County Fair Exhibit:**

Display educational exhibit in a fair booth.

#### **State Fair Competition:**

1. State Fair participants will be selected during county-level competition on 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:** *Endorsement of these products by Ohio State University is neither intended nor implied.*

Aquaport II Water Rocket Launcher

[pitsco.com](http://pitsco.com)

EZ-Launch Pop Bottle Launcher

[ez-launch.com](http://ez-launch.com)

Astronomy Picture of the Day

<https://apod.nasa.gov/apod/astropix.html>

