

## ***Post-Visit Activity #3: Race to the Moon with a Recycool Rocket A Reuse-It Crafts Project***

### **Overview:**

Students build a toy rocket ship, a robot, or an imaginary animal, out of once-used materials.

### **Arizona Department of Education Academic Standards:**

Please refer to the Arizona Department of Education Academic Standards section for the ADE standards addressed by this lesson.

### **Objective:**

Students will be able to:

- ☛ demonstrate a fun, hands-on way to reuse “trash”

### **You will need:**

- an assortment of clean, used materials: tin/steel cans, tubes of all sizes, pie plates, aluminum foil, aluminum cans, corrugated cardboard, magazines, etc.
- tape or glue (packing tape works well)
- scissors for cutting tape
- thick markers (for naming rockets)
- pictures of rocket ships, robots, animals, etc. (optional)
- remember your camera!

### **Directions:** (estimated time 90 minutes)

#### **1. Discuss ways to reuse household items.**

##### **Ask the students:**

- “Does it make sense to use something once and then just throw it away?”
- Tell them that this activity demonstrates one fun way to reuse “trash.”

#### **2. Gather students into teams.**

- The size of the teams depends on number of students and/or materials.
- Offer suggestions of what they might make or let students imagine their own designs.
- Display pictures of various things they might make such as rockets or animals.

#### **3. Challenge the teams to create a rocket, a robot, or a rascal.**

- Split the materials fairly evenly between the teams.
- If you choose to do the rockets, you can integrate the activity with a history lesson about the space race in the 1960s.
- Give students time to design and build their creations.

#### **4. If you wish, ask students to create a label or sign about their creation.**

#### **5. Recycle leftovers.**

- Remind the students to recycle what they can of their rockets (or other inventions) when they are done playing with them!