

# “In Outer Space”



## Module 8, Adventure 1

### Prompt:

After the warm-up activity of researching about Mars Rovers, it's time for you to apply what you've learned and make your own Mars Rover out of materials in your home!

If you created your own planet in Module 7, you can design a rover for your planet!

### Materials:

- Writing utensil
- Recycled materials: tissue box, egg carton, yogurt container, cardboard, shoebox, paper towel and toilet paper rolls, etc.
- Assorted craft materials: popsicle sticks, straws, aluminum foil, toothpicks, rubber bands, etc.
- Tape and/or glue
- Scissors
- Markers, crayons, or colored pencils
- *Explorer Notebook* or a piece of paper

### Instructions:

1. Start by sketching your design for your Mars Rover in your Explorer Notebook or on a piece of paper.
2. When designing, think about the following:
  - a. What are the different parts of your rover?
  - b. Why are those your parts?
  - c. What's the name of the rover?
  - d. What is the history of the rover? When was it launched? What has it been doing since it landed?

- e. What has the rover discovered?
3. Use recycled and craft materials to create the Mars Rover from your design.

*For explorers using an Explorer Notebook:*

1. Sketch out your rover in your Explorer Notebook before you begin building.
2. Write some information about your Mars Rover.

Check out the last page for a page design idea. You can use this or set up your page however you want!

### **Resources:**

1. Learn more about Mars Rovers here:  
<https://spaceplace.nasa.gov/search/rover/>

### **Extensions:**

The following are optional steps you can take if you want to extend this adventure:

1. Design a rover for the planet you created in Module 7 or a new planet you create. How is it similar and different from your Mars Rover?
2. Make a backdrop for your rover to drive in front of so it looks like it's on Mars or on your planet.
3. Go to the "In Outer Space" topic on Flipgrid and share your creation!

# Explorer Notebook

You can use this to help you set up your Explorer Notebook!

## Make Your Own Rover Module 8, Adventure 1

<p>What is the rover made from, and why?</p> <ul style="list-style-type: none"><li>-</li><li>-</li><li>-</li><li>-</li><li>-</li></ul>	<p>What is the rover's name?</p>
<p>What is the rover's history? When did it land?</p> <ul style="list-style-type: none"><li>-</li><li>-</li><li>-</li><li>-</li><li>-</li><li>-</li></ul>	<p>What has the rover discovered?</p> <ul style="list-style-type: none"><li>-</li><li>-</li><li>-</li><li>-</li><li>-</li><li>-</li></ul>

Sketch of my rover:

