



## ***Design That!***

**(Hybrid Format in 2024)**

To commemorate the life of Grand Rapids' own Roger B. Chaffee, Grand Valley State University and Grand Rapids Public Museum are co-hosting the eighth annual *Roger That!* symposium on the weekend of **February 16-17, 2024**. We're planning both in-person and virtual activities.

We invite interested 4<sup>th</sup> – 8<sup>th</sup> grade students in the greater Grand Rapids area to participate in ***Design That!*** - a design challenge that focuses on four major areas related to space exploration.

### **Problems to solve:**

❖ Humans in Space ❖ Communities in Space ❖ Technology in Space ❖ Life in Space

### **Examples of things you can do:**

- ✓ Explain concepts related to space or space exploration.
- ✓ Write a story or perform a play about space travel or life in space.
- ✓ Design clothing, buildings, or devices for space travel or life in space
- ✓ Build physical devices (robots or models) to be used in space exploration.
- ✓ Create a webpage or computer model relevant to space or space exploration.
- ✓ Discuss historical events in space exploration, such as moon landings and other missions.

### **How to participate:**

1. Select a topic, form a team (recommended size 2-4 students), and do the research on your topic.
2. Student teams can create physical models, write stories, design websites, produce short (3-5 min) videos, or make posters describing their projects. Email us with questions at [rogerthat@gvsu.edu](mailto:rogerthat@gvsu.edu).
3. Upload your Design That! submission online by **Friday, February 2, 2024** (link available by mid-January):
  - This includes Project Documentation where you reflect on the following:
    - ✓ Your reason(s) for choosing the problem, your research, and your solution. ✓ Something(s) you learned that surprised you.
    - ✓ The most challenging part of your project.
  - Project documentation may be provided directly using the text boxes on the submission site, or in a separate file you upload to the submission site.

### **Awards will be based on:**

- Project documentation (copy or picture of your poster, your story, video of your play, pictures of any physical models or robots, etc.)
- Project reflection (content, scientific accuracy, grammar, appropriate referencing)
- Innovation (creativity and originality)

### **Prizes include:**

❖ Certificates for each team member      ❖ Pizza party for your class      ❖ Museum ticket package