

Name:

Date:

Class:

Making Sense Assessment

Make sense of the activity by providing a short reflection about the engineering problem you explored, the science and engineering skills you used, and your idea to adapt the activity. Answer the following prompts in complete sentences:

3

Three things that I learned and applied in this activity are:

2

Two science and engineering skills that I used in this activity are:

Science and Engineering Practices:

- Asking questions (for science) and defining problems (for engineering)
- Developing and using models
- Planning and carrying out investigations
- Analyzing and interpreting data
- Using mathematics and computational thinking
- Constructing explanations (for science) and designing solutions (for engineering)
- Engaging in argument from evidence
- Obtaining, evaluating, and communicating information

Engineering Design Process:

- Ask: Identify the Need & Constraints
- Research the Problem
- Imagine: Develop Possible Solutions
- Plan: Select a Promising Solution
- Create: Build a Prototype
- Test and Evaluate Prototype
- Improve: Redesign as Needed

Engineering Design Thinking:

- Formulating Problems
- Seeking Solutions
- Thriving in Uncertainty
- Collaborating Constantly
- Prototyping Ideas
- Iterating Options
- Reflecting Frequently

1

One idea I have to further explore and extend this activity is: