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Name(s) _____

Engineering Design Process (EDP) Planning Sheet

“The Scientific Method of Inquiry 2.0”

1. **ASK / ENGAGE:** What is the problem you are being asked to solve?

2. **IMAGINE/BRAINSTORM:** What are some possible solutions to the problem that you are trying to solve? After you brainstorm, draw and label possible experiments or inventions below.

Idea #1	Idea #2

3. **PLAN/DESIGN:** Based on your ideas, decide on a final design plan. Use the space below to draw your invention or list the steps in your experiment. Then, make a list of the materials that you will need.

Final Plan	Materials List
	<ul style="list-style-type: none">•

4. **CREATE/TEST (Interpret Data):** Use your Final Plan to create your invention or conduct your experiment. Describe the outcome.

5. **EVAULATE:** How well did your design work? How did your solution address the problem within the given constraints?

6. **REFLECT:** How might it be improved by future researchers? Use the space below to draw or list your steps for improvements.

Bibliography: List at least two sources used to research this challenge below.