**Engineering Design Process**

**State the Problem**

* What is the problem for which you are finding a solution?

**Research the Problem** (describe 2 pieces of research you will need to do)

* What do you want to know?
  + Give a specific topic about what you want to know.
* How will you get the information? ( data, observations, research)
* What did you find out?

**Explore ideas** (give 2 or more ideas to solve the problem)

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| **Design process: explore ideas** | **Description** |
| What is your first idea? | Describe the idea. |
| What is the scientific reason for your first idea? | Include the scientific concept. |
| What is your second idea? | Describe the idea. |
| What is the scientific reason for your second idea? | Include the scientific concept. |

**Plan Proposal:** Which idea do you think will solve the problem?

* State which of your ideas you would implement to solve the problem. Use diagrams to describe your proposal.
* What is your scientific reason for choosing this idea?