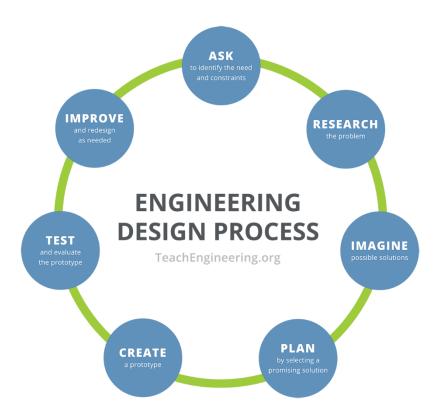
Engineering Design Process Notebook



1. **Identify the needs and constraints.** List the needs and constraints of the design problem.



2. Research the problem. What designs already exist? What works and what needs improvement?

3. Brainstorm/create possible solutions. List ALL ideas in the group and include sketches. Attach additional paper if necessary.

Class:

5. **Create:** Keep track of what is working, what is not working, and any design changes that needed to be made.

6. **Evaluate the prototype.** Honestly evaluate your prototype in comparison to the other group designs.

7. **Improve the design as needed.** Discuss as a group what you would change if you had the time to redesign.