



1. ASK

- What's the Problem?
- What are the Constraints?

2. IMAGINE

- Brainstorm Ideas
- Choose the Best One

3. PLAN

- Draw a Diagram
- Gather Needed Materials

4. CREATE

- Follow the Plan
- Test it Out!

5. IMPROVE

- Discuss what can Work Better
- Repeat Steps 1-5 to Make Changes

The Engineering Design Process



- The Engineering Design Process is a series of steps that lead to the development of a *new product or system*.
- You may start at ANY step of the process.
- After you improve your design once, you can begin the Engineering Design Process all over again to refine your technology ... or you may want to focus on a single step.