

Engineering Design Process

A

ASK

- What's the problem you need to solve?
- Who will use this and how will it help them?
- What rules or limits do you need to follow?

I

IMAGINE

- Brainstorm as many ideas as you can.
- Think about which idea is the best and why.
- Picture what your solution might look like.

P

PLAN

- Draw a picture or diagram of your idea.
- List the materials you'll need to build it.
- Decide on the steps you'll follow to make it.

C

CREATE

- Use your materials to build your idea.
- Test it to see how it works.
- Write down or talk about what happens.

I

IMPROVE

- Look at what worked and what didn't.
- Think of ways to make your design even better.
- Fix or rebuild parts to improve your solution.

