

# **The Design Process**

BBHHS Tech Ed

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# THE DESIGN PROCESS

**IDENTIFY PROBLEM**



**BRAINSTORM**



**DESIGN**



**BUILD**



**SHARE SOLUTIONS**

# Identify Problem

- What is the problem?
- What do we want/need to accomplish?
- What should the finish product be?



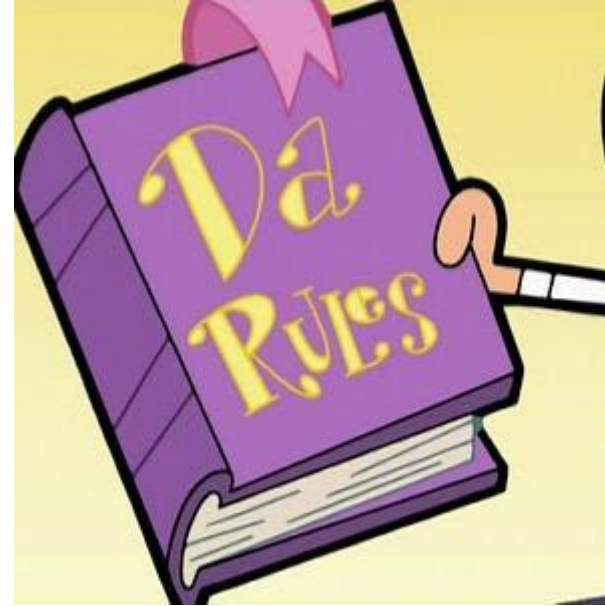
# Brainstorm

- Research!!!!
- Generate ideas
- Record ideas
- Sketch ideas



# Rules of Brainstorming

- Appoint a leader
- Appoint a recorder
- Maximum number of ideas
- No judgment
- Hitch-hiking allowed – Expand on what others say
- The wilder idea the better



# Design

- Limit ideas to 2-3
- Make quality sketches and CAD drawing of ideas



# Build

- The process of creating your ideas





# Test & Evaluate

- Process of determining if your idea solves the problem in the most efficient manner





# Redesign

- Use information from testing, and evaluation to fix or improve ideas



# Share Solutions

- Competitions
- Finalize design

# When does the Design Process end?

- NEVER!!!

