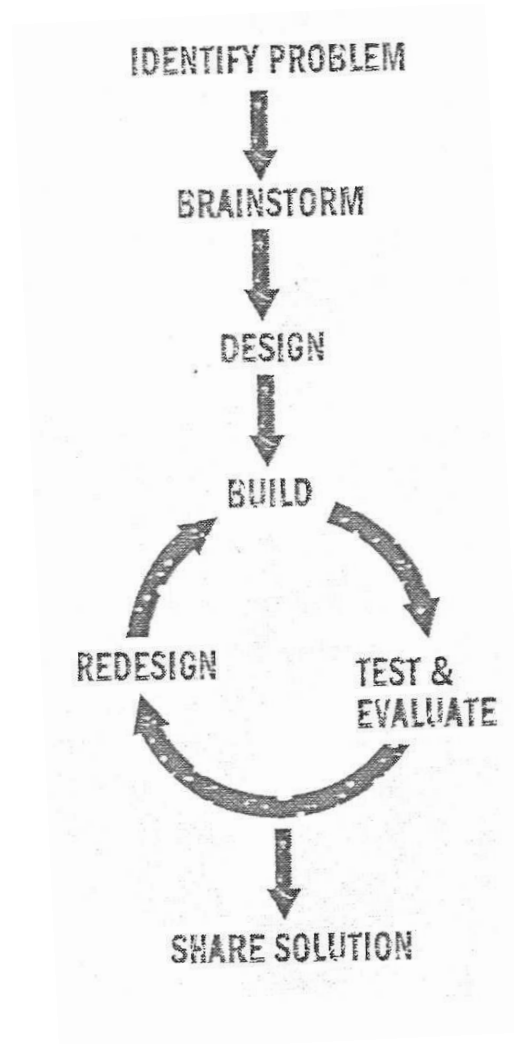


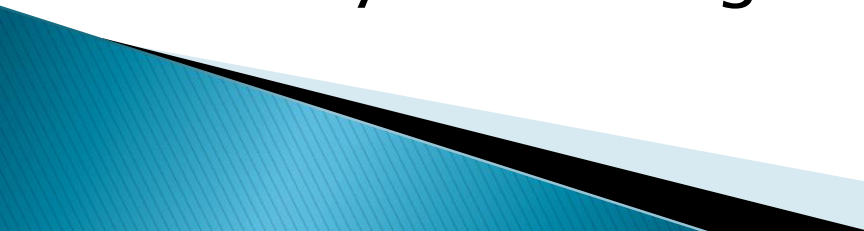
# Engineering Designs



# Engineering Design Process



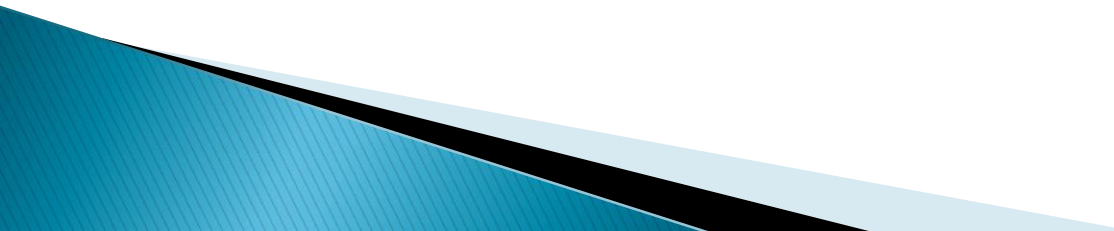
# BRAINSTORMING

- ▶ At this stage, all ideas are welcome, and criticism is not allowed. How creative can you be?
  - ▶ What specific goal are you trying to achieve, and how will you know if you've been successful?
  - ▶ What are some ways you can start tackling today's challenge?
- 

# DESIGNING

- ▶ Time to get realistic. Talk through the brainstormed ideas. What's really possible given your time, tools, and materials?

# BUILDING, TESTING, EVALUATING & REVISING

- ▶ Does your design meet the criteria for success?
  - ▶ What is the hardest problem to solve as you build your project?
  - ▶ Why do you have to do something a few times before it works the way you want?
- 

# SHARING SOLUTIONS

- ▶ What do you think is the best feature of your design? Why?
  - ▶ What are some things everyone's designs have in common?
  - ▶ What would you do differently if you had more time?
  - ▶ What were the different steps you had to do to get your project to work the way you wanted?
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