

Name(s):

Date:

**Design**

**Ask**

What is the problem (what needs to be solved/improved)?

**Imagine**

Sketch and describe possible solutions (different ideas that might solve the problem). Use extra paper, if needed.

**Plan**

Choose the best solution. Circle it. Why do you think it is best?

(start here)  
**Design**

**Test**

**Design Process**

**Evaluate**

**Redesign**

## Test

Build and test your solution! Record your observations and data.

## Evaluate

Did it work? What are its strengths/weaknesses?

## Redesign

Did you solve the problem?

Yes? Great! Identify a new problem (a way to make your design even better).

No? That's OK. What did you learn that can help you solve it in a new or different way?

There is no perfect design (yep... your design can still be improved).  
Make it stronger, cheaper, better looking, etc.