

Engineering Notebook

Design #



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

Continue to "Test"
on Page 2



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.