

Name(s):

Project:

ASK

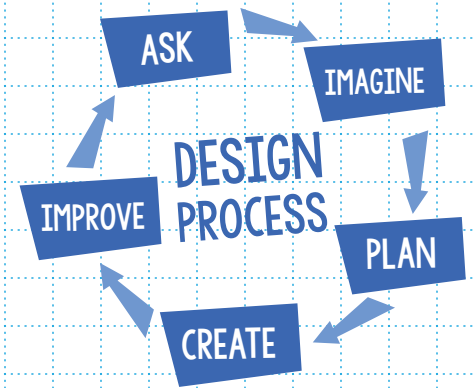
What is the problem (what needs to be solved/made better)?

Research: How have others solved, or attempted to solve this problem? What are the constraints (things your design cannot, or must, do or be)?

IMAGINE

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

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



PLAN

Draw the solution you choose. Include the details you will need to create it. Use extra paper, if needed.

CREATE

- a) Build the solution you planned.
- b) Test it. Make observations. Record results below, or on another paper.

IMPROVE

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 solve it in a new/different way?

There is no perfect design (yep... your design can still be improved). Make it, faster, go faster, stronger, more accurate, easier to use, more efficient, better looking, etc.

