



The Engineering Design Process

Step 1: Identify the problem.

What are you being asked to achieve? What's the goal?

Step 2: Identify criteria and constraints.

What are the activity's requirements? (Use your rubric if you have one.)

What will limit the design (i.e., cost, supplies, time, etc.)?



Step 3: Brainstorm possible solutions.

Describe and sketch possible approaches to solving the problem.

Step 4: Select a design

Explain why you chose the final design, and provide a sketch of your winning idea.



Steps 5-7: Build a prototype, test and evaluate, and refine the design.

What did you learn in the evaluation step that led to the final design, and how did the final product perform?

Step 8: Share the design.

Be proud of your design and what you achieved! Find a creative way to share what you learned.