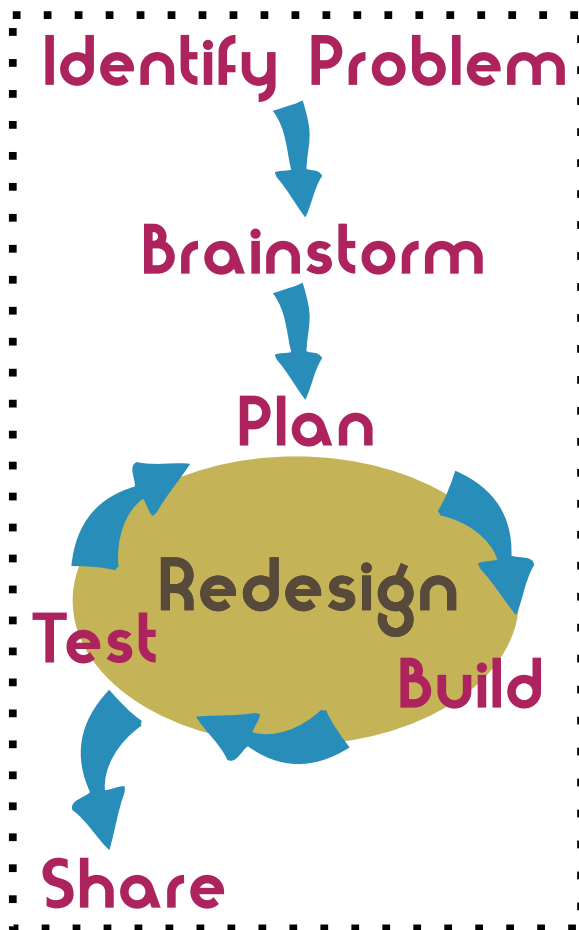




Engineering & Design Process

The engineering design process involves a series of steps that lead to the completion of a new product, system, or task. In this design process, students are to complete each step and have evidence that supports their progress through each step.



Identify Problem Identify the criteria or specifics of the problem and list constraints to completing the task.

Brainstorm List as many solutions as possible and choose a couple of solutions that might just work.

Plan Create an outline, drawing, or list that includes specifics on how to follow through with the solution.

Build Develop the selected solution, method, model, or product.

Test Evaluate results and learn from mistakes. Record the pros and cons of the solution.

Redesign Be certain that the solution meets the criteria or specifics of the problem. Build or test again until the solution is ready to share with others.

Share Fully document the solution and be prepared to share results with others.

Learning is not a competition; it is a collaboration