

Engineering Design Lab Write-Up

The Problem

What engineering problem or need do you want to solve?

Research

Study what the problem is, if anyone else has tried to solve the same problem before, and figure out what science and math you might need to know to solve the problem. Don't forget sources!

Prototype

Make a model of the plan you devise to solve the problem. (Sketches)

Investigate

Design the steps or process you will take to solve the problem

Test Results

Test your design and collect evidence or data which shows how well your plan solved the problem. You will need to decide how you will record your results (data tables).

Analysis

Study the evidence you collected from your tests, discuss what it means, and see if the evidence means your design is any good. You might have to modify your design based on the evidence and then conduct more tests.

Solution

Once you're satisfied that your design will be a good solution to the problem, summarize how your design is the best to solve the problem.