1 What problem are you solving?

________________________________________________________________________
________________________________________________________________________
________________________________________________________________________

2 Criteria and Constraints

Define a criteria:
________________________________________________________________________

Define constraints:
________________________________________________________________________

Solution criteria for your design:

a) ________________________________________________________________

b) ________________________________________________________________

c) ________________________________________________________________

d) ________________________________________________________________

Solution constraints for your design:

a) ________________________________________________________________

b) ________________________________________________________________

c) ________________________________________________________________

d) ________________________________________________________________

3 Brainstorm

Use the back of this sheet to write all the ideas no matter how crazy, complicated, or simple they seem.

4 Select a Solution

The solution I chose is: ____________________________________________

________________________________________________________________________
5 Develop your engineering model

The simple plan for my model is: ________________________________

6 Test the Model

When I tested my model, I found that: ________________________________

7 Modify the Model

I will modify my model by: ________________________________

8 Communicate the results of your engineering design