

Engineering Planning Sheet

Ask: What is the problem?

Write it:

Imagine: Brainstorm ways to solve the problem.

-
-
-
-
-
-

Plan: What is your step-by-step solution to solve the problem?

Draw a diagram:

Engineering Planning Sheet (continued)

First,

Next,

Last,

Materials you will need:

Create and Test: This is your first attempt to solve the problem:

Follow your plan and make a model. Then test your model to see if it solves the problem.

Engineering Planning Sheet (continued)

Improve: Use the data you collected during the test to improve your plan.

What works?

What doesn't?

How can you make it better?

Re-Create: This is your next attempt to improve your solution to the problem.

Revise your plan and make a model. Then test your model to see if it solves the problem.