**Activity 1: Saving Fred FINAL DESIGN SUGGESTIONS Name:**

Final copy should be in pen or typed (diagrams can be in pencil) with the heading looking like this:

Full Name

Period \_\_\_

Date: \_\_\_\_\_

Activity 1: Problem Solving: Saving Fred

Saving Fred Design

When writing the final copy of the Saving Fred Design, be sure to include the following:

The Problem Statement:

What is the problem, and what is the goal for you to accomplish?

Materials List:

VARIABLES:

**Explain** how things could affect the outcome, like . . .

Safety Considerations:

How did you avoid hurting Fred, the life preserver, or the boat?

Procedure:

Numbered, step-by-step directions

Diagrams, diagrams, diagrams!

Label them, color them (recommended), big enough to clearly see

Specifics (details) on how you did things:

How did you bend things? Hold things? Move things?

The “What Ifs”:

Explain what to do if you . . .

**Remember the golden rule about Designs: Are your materials list and procedure steps/diagrams clear enough for someone else to repeat exactly what you did???**