Building

Marble Spill – Abbreviated Invention Log Worksheet

Directions

As you work on your marble spill clean-up device, think about these steps and record your thoughts.

1. Define the problem. What problem are you trying to solve?

2. Define the results. What are the results you are trying to achieve?

3. Design a solution. What is a possible solution?

4. Make a model of the contraption.
5. What problems might you encounter with this design?

6. How will you fix those problems?

Repeat steps 4 to 6 until you have a design that you think will work.
Get the materials and build the contraption with your group.

7. Test and evaluate the contraption. Be sure to organize your data.

8. Explain your data. Did your contraption work? How do you know?
9. Identify problems with the contraption.

10. How will you fix these problems?

11. Communicate information. What are the key points you want your classmates to know?