Watershed Activity (Grade 4)

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

# Build a Watershed

1. Arrange the items on the tray to create different heights.
2. Cover the items with a plastic bag. This will create areas that water will roll off and down.

Below, draw a picture of your model. Use arrows to show where you predict the water will flow. Circle spots where you predict the water will collect or pool.

# Make it Rain

1. Use the sprayer of water to imitate rain over the plastic bag.
2. Look at your picture above. Were your predictions correct? Using a different color, revise your picture to show how the water actually flowed and pooled.

# Stop the Flooding

1. Use the materials provided to prevent the flooding/pooling of water.
2. Write down what you tried and how it worked.

| Method | How did it work? | What changes will you make? |
| --- | --- | --- |
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|  |  |  |

# Explain your Thinking

Which design provides the best way to prevent damage from flooding?

Claim:

Evidence:

Reason:

# I Notice, I Wonder

Watch the Emergency Water video. As you watch, write down some things that you notice and wonder.

| I Notice | I Wonder |
| --- | --- |
|  |  |