

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 |
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| | |