

## **Build a Watershed**

**Focus Question:** How do humans impact our environment?

**Objective:** Make, model and consider the impacts on the **watershed**

**Activity:** Raining on my watershed

**Materials:** you will need 2 pieces of paper, a washable marker, some tape and a spray bottle.

**Procedure:** Take one piece of paper and crumple it up (this is your watershed landscape). Then carefully 'uncrumple' the paper and tape each corner to the flat piece of paper. Take your washable marker and trace one of the ridges (representing mountains, hills, valleys) in the crumpled paper from one side to the other. Look over your landscape and with your marker locate and draw your house. Now get your spray bottle and make it rain or precipitate on your watershed. Note where the water collects (ponds, lakes or puddles) and where it travels (rivers, streams or run-off). Also observe where your house is and how it has been impacted.

### **Discussion Questions:**

1. What would you call where the water collects? Name them
2. Label the ridges.
3. Label where you saw run-off.
4. How many valleys do you have with rivers or traveling water?
5. How close is the run-off water to your house?
6. Did you choose a safe place for your house? Explain.
7. What do we mean by safe?
8. If you could relocate your house where would you put it?
9. Think of another questions you could explore.



