

# WATER STICK



Photo 1

Finished Water Stick



Photo 2

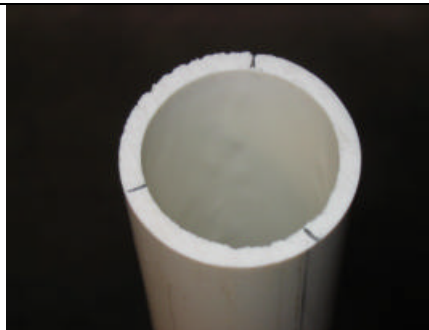
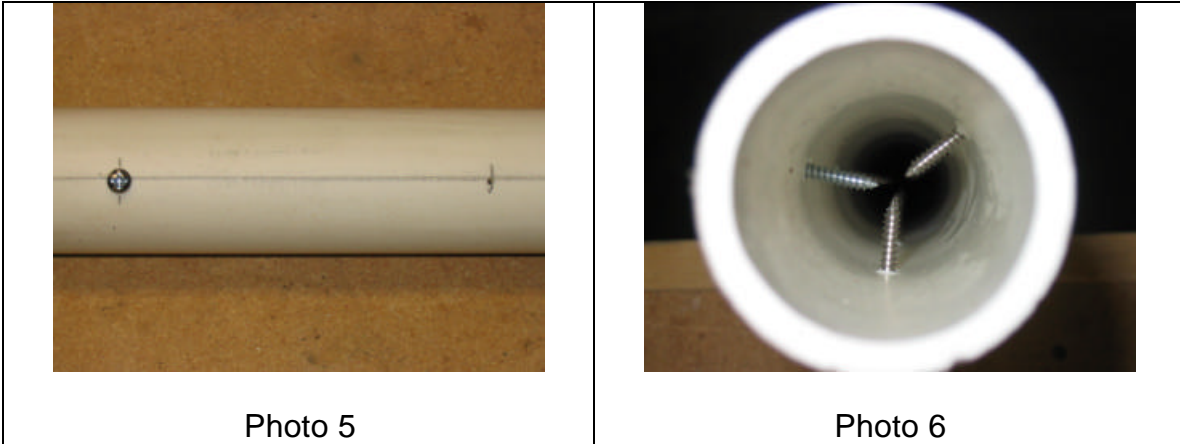


Photo 3



Photo 4



### **Materials** (Photo 2)

4 feet of 1-¼ inch PVC pipe  
2 1-¼ PVC caps  
33 #6 x ¾ inch pan-head sheet metal screws  
Handful of dried beans

### **Instructions**

On one end of the pipe, roughly divide the pipe into thirds and mark with a pencil (photo 3).

Lay the pipe against a straightedge, such as a board. I used a carpenter's level (photo 4). Then draw 3 pencil lines along the pipe's length, each beginning at the marks you made on the end of the pipe.

Measure and mark along each line every 4 inches and drill a 1/16-inch hole at each mark. There should be 33 holes total. (See photo 5.)

Screw in the pan-head screws. Photo 6 shows how they look on the inside of the pipe. Tap on a cap at one end and fill with a small handful of dried beans. Then tap the other cap on.

Finally, clean and paint the project a bright color.

### **To Use**

As you rotate the ends of the Water Stick, the beans fall and strike the screws making a gentle rain sound. Kids love it.

### **Alternatives**

1. Experiment with more or fewer beans.
2. Experiment using glass or plastic bean-size tiles (available at craft stores).
3. Make the Water Stick longer or shorter.
4. Drill four or five 1/8-inch holes into the side of a cap to create a different sound.