

MOST* *Self-Watering Pots*

Materials

- Two liter bottles
- String
- Hammer
- Nail
- Scissors or box cutters
- Soil
- Seeds

Instructions 1 Cut the bottle in half using scissors or box cutters (make sure to do this with adult supervision) and use the hammer and nail to make a hole in the cap of the bottle.

2 Take about an inch or inch and half of string and fold it in half and tie it so you have a loop where you folded the string in half.

3 Thread the string through the hole in the cap so the loop is on the inside of the cap and put the cap back on the bottle. Put the top of the bottle upside down in the bottom of the bottle.

4 Fill the top with soil and plant your seeds. For the first time you will need to water the soil and make sure the string uniformly wet. This is to keep the **surface tension**, or the tendency of liquid molecules to stick to each other and resist outside forces, from not allowing it to work.

5 After the first time you can put water in the bottom and the string will water the plant by using **capillary action** or the ability of liquids to flow in a narrow space without or against outside forces like gravity. If it is a small enough space the surface tension and the water molecules sticking to the object will propel the water up the object.

