

Be a Hydrologic Engineer

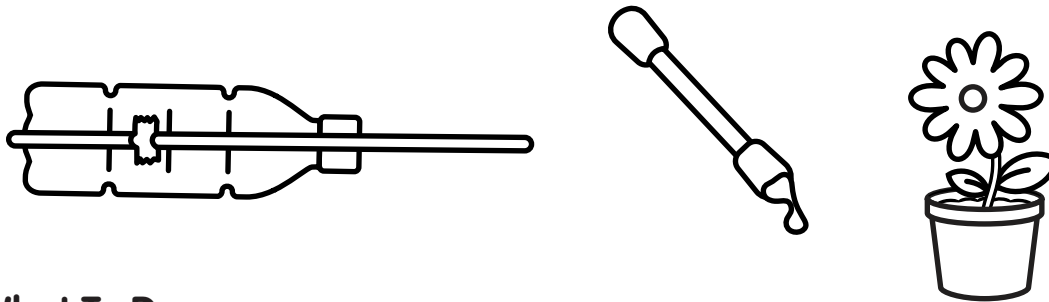


Ask a grown-up to help you with this activity!



What You Need:

- an empty plastic disposable water bottle
- a cotton swab stick
- an adult to find something sharp to poke a small hole in the cap of the plastic water bottle
- duct tape
- a stick that is a little longer than the water bottle



What To Do:

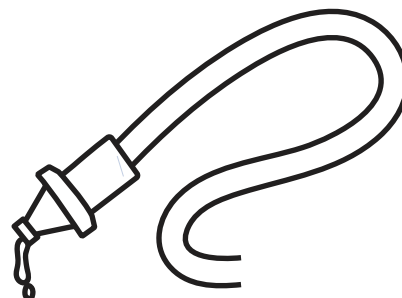
Be a hydrologic engineer so you can water your family plants while you are away!

1. Have an adult poke a small hole in the top of the water bottle.
2. Tape a stick to the side of the bottle so that the stick goes past the top of the bottle by about 4 inches.
3. Push a cotton swab into the hole in the water bottle top—it should be a tight fit!
4. Fill the bottle with water and put the top on tight.
5. Flip the bottle upside down and push the stick into the soil near your plant.

Talk about what materials absorb or repel water. How does your watering system work? (The bottle repels water helping the water to stay inside and the cotton swab absorbs it and only lets it go when it is so soaked that it can't hold another drop!)

GO ON A WATER FINDING HUNT IN YOUR NEIGHBORHOOD.

Where is there water in your house and neighborhood? Does it move from one place to another? What materials absorb or repel water? Are there dry areas that need water? Think together about what you might engineer to help!



For more resources visit [sesame.org/stem](https://www.sesame.org/stem)

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