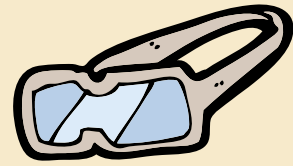


CAMP AT HOME SCIENCE TUESDAY - WEEK 5



WALKING RAINBOW



What You'll Need:

- 6 clear water glasses
- Food dye (red, yellow, and blue)
- Paper towels
- Water

Check out our video on Facebook!

GETTING STARTED

- 1) Line up the glasses and fill the first one with a good squirt of red dye, the third with yellow, and the fifth glass with blue. Leave the other glasses empty.
- 2) Add water to the glasses with color until the colored water almost reaches the top.
- 3) Move the glasses into a circle and add the paper towels. Starting with the red, add one end of the paper towel and then put the other end in the empty glass next to it. Continue around until the last paper towel is placed into the red glass.
- 4) Observe.

What to submit:
Picture of your experiment.



THE Science BEHIND IT



The colored water travels up the paper towel by a process called capillary action. Capillary action is the ability of a liquid to flow upward, against gravity, in narrow spaces. This is the same system that helps water climb from a plant's roots to the leaves in the tree tops using a series of tiny tubes called xylem and phloem.



Paper towels, and all paper products, are made from fibers found in plants called cellulose. In this demonstration, the water flowed upwards through the tiny gaps between the cellulose fibers. The gaps in the towel acted like capillary (xylem and phloem) tubes, pulling the water upwards.

