

# Water Walking Experiment



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Preschoolers  
2.5 - 4 years

Get your child excited about water and science with this fun experiment! This activity will have your child building on their reasoning and logic as they try to figure out how water moves across paper towels from one cup to another and changes colors.

## Learning Outcomes

### Domain:

Cognition

### Indicator:

Describing similarities and cause and effect in recurring events

### Skills:

Reflecting and reaching conclusions



## Materials

- Food coloring - primary colours only (red, yellow and blue)
- Small clear drinking glasses or cups (7)
- Water
- Paper towel



## Instructions

**Step 1:** Place the 7 cups in a row and fill  $\frac{3}{4}$  full with water.

**Step 2:** Add 5 drops of red food coloring to the 1st and 7th cup.

**Step 3:** Add 5 drops of yellow food coloring to the 3rd cup.

**Step 4:** Add 5 drops of blue food coloring to the 5th cup.

**Step 5:** Fold a sheet of paper towel in half lengthwise and then fold one more time. Place one end in one cup and the other end in the next cup, making sure it doesn't stick up too much.

**Step 6:** Repeat step 5 with new sheets of paper towel from cup to cup.

**Step 7:** Watch the water walk to the next cup and change colors!



## Age Adjustments

**For older preschoolers:** Have your child set the experiment up with you and let them be hands-on. Before starting, have them predict what will happen and have them record their ideas as everything changes.

**For younger toddlers:** You will have to point out the colors moving and get them excited. You may want to move onto another activity and come back to see the water's progress periodically.



## Playful Questions

- What do you think will happen to the water?
- Why are the colors changing?
- How come the water is moving?
- What are some things we can do with water?
- How does water move from ground to the sky?