

H₂O Way!

Introduction: Today, we are going to see an almost magical property of water, water traveling between cups and defying gravity! Through science, we are going to see how water goes from one cup to the other with paper towels.

Approximate Time: 1 hour

Materials:

- 3 cups
- Food coloring
- Water
- Paper towels
- Spoon/item to mix



Procedure:

1. Fill two of the cups with water.
2. Put the empty cup in between the two filled cups.
3. Put food dye in each of the filled cups. You can use any colors you want to.
4. Take your spoon and mix the food dye into your water.
5. Take a paper towel and fold it in half. Put one of the halves into one of the cups with water, and the other into the empty cup.
6. Take another paper towel. Repeat step 5 for the other cup.
7. Watch as the water travels from the filled cups to the empty cup through capillary action!

Tips & Tricks:

- It is best to have the cups fairly full, because the experiment takes a pretty long time.
- Use multiple colors of food dye. It makes it easier to notice when the water is transferring.
- If you wish, you can add more cups as long as every other cup is filled with water.