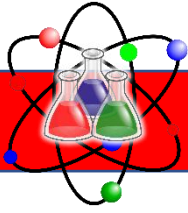


WHITEHALL JUNIOR WHIZ KIDS



Celebrating smart, science-loving students!

Spring 2025-26



We are in many ways unimaginably small within this universe, yet uniquely special.

WALKING WATER SCIENCE EXPERIMENT

Materials Needed:

- Clear cups or jars (at least three)
- Food colouring (different colours)
- Water
- White kitchen paper



Instructions:

1. **Fill the cups/ jars:** (except for one) with water and add a few drops of food colouring to each (differ the colour for each cup) and stir.
2. **Fold the paper towels:** lengthwise to make them long and narrow.
3. **Arrange the cups:** however many you are using, line the cups up side by side.
4. **Place the ends of the paper towels:** in the colour water cups, bending the paper towels over and placing the other ends in the empty cup.
5. **Observe:** wait a few hours, observe the water "walking" up the paper towels into the empty cup, the colours will mix.

What is Happening?

The water "walking" is due to capillary action. This occurs because of two forces allowing the water to move up the narrow spaces within the paper towel fibres, defying gravity and "walking" from one cup to the next.

- 1) **Adhesion:** water molecules are attracted to the paper towel fibres.
- 2) **Cohesion:** water molecules are attracted to each other.

SAFETY PRECAUTIONS:



ASK FOR ASSISTANCE



KEEP AREA CLEAN



DRESS PROPERLY



DO NOT EAT



WASH HANDS

Don't forget to share any pictures or videos of your experiments on Google Classroom that can be shared in school!

Did You Know?

99.9% of the DNA of each person is the same.

What does DNA stand for?

If you eat too many carrots, your skin will turn orange!

What is this condition called?

Grizzly bears can run up to 30 miles per hour!

Is there any animal that could beat a grizzly bear in a race?