

Teacher Information Sheet: Crawling Rainbow

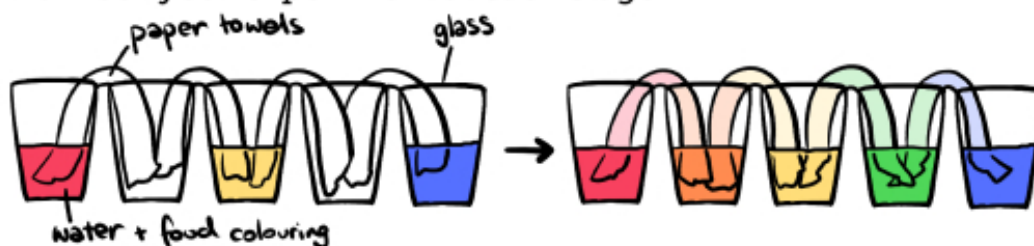
Materials needed:

5 plastic cups
Primary Color Food Dye (Red, Yellow, Blue) or Watercolours
Paper Towels
Water

Method:

1. Fill up all 5 cups with water
2. Lines the cups up in a row
3. Put Red colouring in the 1st cup, Yellow in the 3rd cup, and Blue in the last cup.
4. Mix the water and colouring to make sure it is well combined.
5. Put Paper towels between each of the cups, making sure they are touching the water.
6. Leave the water to sit and watch the colors crawl!

Draw out your experiment at each stage:



Questions to answer:

How many colours did you start out with? How many colours did you make?

What other colours can you make with this?

How long did it take for the rainbow to be made?

How long do you think it will take with milk or soda?

Learning outcomes/real world applications

A drop of water has a lot of molecules of water. These are held together by electrical and molecular bonds. This makes the water molecules stick together and stick to the string. This allows the water move down the string.

It is because of these forces that water is able to move up thin tubes in a plant.