

# Walking Water Science Experiment

Make water walk from one cup to another! This is a fun and easy children's science experiment playing with water and colour. Watch the water walk and the colours combine!

## You will need:

1 x Roll of Paper Kitchen Towel

7 x Plastic cups

2 or 3 Assorted food colouring

1 x Jug of water



## Method:

- Place all your cups in a line. Using your jug of water carefully fill every other cup. The cups on the outside do not need to be as full as the ones on the inside.
- Add a few drops of food colouring to the cups filled with water and stir - These can be any colours you like.
- Tear off one piece of kitchen towel, fold it in half, then fold it in half again.
- Bend this kitchen towel so that one end is in one cup, and the other end is in the other cup. Do this for every cup.
- Leave for approximately two hours and let the magic happen.



### The Science Bit:

The water has been absorbed by the kitchen towel and used the towel to get from one cup to another by capillary action. Take a look, what has happened to your empty cups? As this has happened the different colours of mixed so not only has the water walked but it has created some cool colours.

### Experiment even more...

Use different colours and see if you can guess what colours this might create?

...Or make a few simple changes to the experiment and see if this makes it harder or easier for the water to walk.

- Use a thicker or thinner type of kitchen towel, or maybe a different material altogether.
- Wet the towel before putting into the cup.
- Replace the water with cooking oil.