

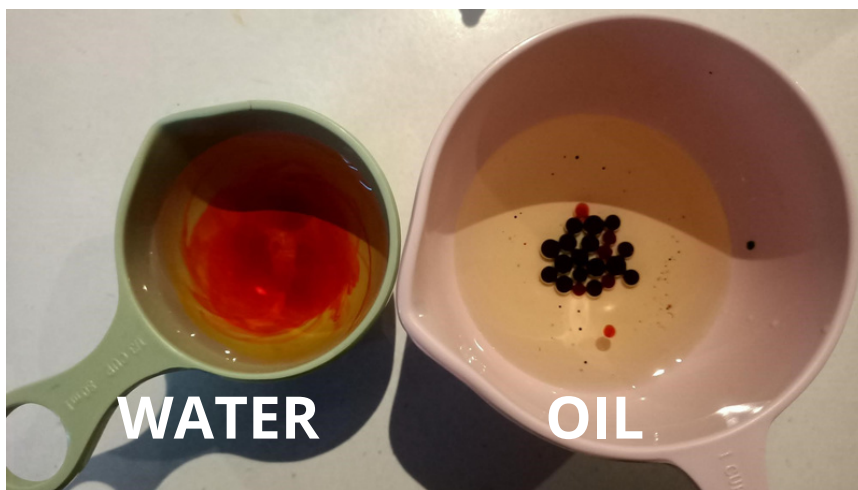
Fireworks in Water Experiment

What you need:

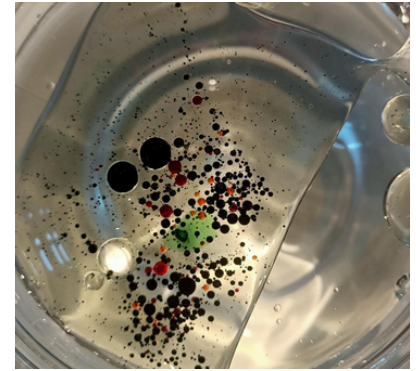
- Clear cup or jar.
- 3 tablespoons oil. I used vegetable oil.
- Food colouring.
- Water.
- Small cup or bowl.

What to do:

1. Fill the jar with water.
2. Add 3 tablespoons of oil to a cup or small bowl. Add in a few drops of food colouring. I used green, red, blue and yellow.
3. In another cup, add some water and a few drops of food colouring. Compare the two cups. What is the difference between the food colouring in the oil compared to the water? Have a look at the picture below. Because the oil is thick, the drops of food colouring stay in a drop shape and sink to the bottom of the cup. In the water the food colouring breaks apart and turns the water a different colour. Interesting!



4. Mix the food colouring in the oil up a little with a fork.
Carefully tip the oil into the jar of water. Now watch what happens! Remember how I said the food colouring would sink to the bottom of the oil? Now the oil is sitting on top of the water and the food colouring is sinking through the oil into the water, where it starts to spread.
5. Take some photos of your experiment and upload them to the [Kids Club Online Gallery](#) so everyone can see!



6. What happens if you mix everything together? What colour does the water turn into?

