

# Fireworks in a glass



**You will need:**

1. Food colouring
2. Warm water
3. Oil (vegetable/olive)
4. 2 glasses
5. Fork

1. Fill a glass  $\frac{3}{4}$  of the way to the top with warm water

2. In a separate glass add a few tablespoons of oil and add 4 drops of food colouring-of differing colour.

3. Using a fork, give the oil and food colouring mixture a good mix to break up the 'colour beads' into smaller ones

4. Carefully pour the oil and food colouring mixture into the glass of warm water and wait for the magic to happen

**The science behind:**

Food colouring dissolves in water, but not in oil. So when you pour in your food colouring/oil mixture the oil will float at the top of the water because it is less dense, and the food colouring will begin to dissolve once they sink through the oil and into the water.