

# Awe and Wonder

## Rainbow Colour Mixing

### You will need:



A bowl



A cup of milk  
(whole or 2%)



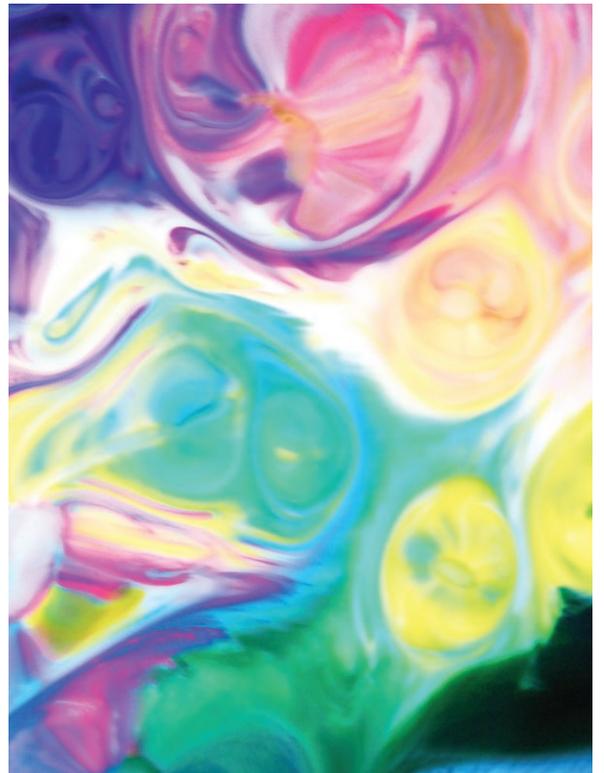
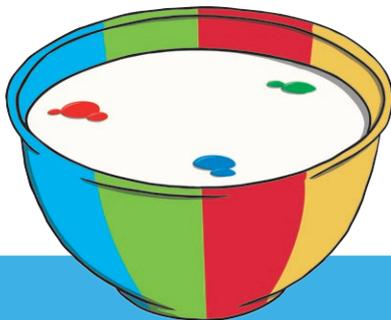
Different colours  
of food colouring



Washing-up  
liquid

### Method:

1. Carefully pour a cup of milk into a bowl.
2. Taking care not to mix the colours, drop three drops of one food colouring at one side. About a third of the way around, add three drops of another colour and another third of the way around, add three drops of another colour.
3. Next, squeeze a drop of washing-up liquid into the centre of the bowl.
4. What happens to the colours?



### The Science

Milk is mainly water with another big ingredient: fat. The washing-up liquid bonds with the fat in the milk. The food colouring is pushed out because the bond is so strong.

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