Science of Colour Workshop

Here's everything you need to recreate our science of colour demonstrations at home!

Mixing Paints

Blue and red paints
Butcher's paper or card
Palettes to squeeze paints on
Brushes

Instructions for Mixing Paint

Ask students to mix blue and red paint and observed the results

Mixing Light

Torches with cellophane (blue and green and red)
Spare cellophane and tape
White laminated sheet

Instructions for Mixing Light

1. Give students blue and red torches and ask them to shine them on the outstretched card
2. Talk about what colours to expect/what is observed

Sunset in a Jar

Plastic square container filled with water
Milk powder
Torch

Instructions for Sunset in a Jar:

1. Add water to container
2. Add milk powder to contain and swirl with end of a paintbrush
3. Shine torch in one side, then other. What happens?

Blue Bottle

Sodium hydroxide (caustic soda)
Dextrose (glucose)
Hot water
Sealable jars x 2
Methylene blue indicator
Gloves
Measuring spoon
Cups for measuring into
Scales

Warning! Sodium hydroxide is corrosive. This demonstration needs to be set up by an adult wearing appropriate safety gear (gloves and safety glasses).

Instructions for Blue Bottle:

1. Half fill bottles with warm water.
2. Add in 10g of NaOH and 10g dextrose syrup* and swirl to combine
3. Add a few drops of methylene blue
4. Secure lid
5. Shake

*If using dextrose powder, use 5g

1. Ask responsible looking child to carefully shake bottle, while holding both ends of the bottle