

Teacher Information Sheet: Colouring flowers

Materials needed:

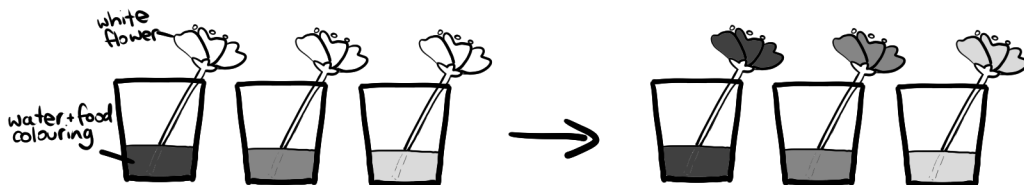
Some white flowers (easier with thick stems)
Different coloured food colourings
A knife (optional)
Water
A few glasses

Method:

1. Get an adult to cut the stem of your flower to fit the glass
3. Add water and some food dye (around 30 drops) to each of your glasses
4. Put your flower into each of the different food dyes
- OPTIONAL: to make a two-tone flower, an adult can vertically cut the stem in half and put different colours on each half stem
5. Wait a few hours before you check on your flowers

Measuring and recording

Draw a picture of the experiment below at each of the stages:



Questions to answer:

1. Describe the path of the water in a plant.
2. What do you think would happen if your flower had a leaf
3. How would you make a rainbow flower?

Learning outcomes/real world applications

Just like how humans have blood vessels, plants have different tubes in them in order to get water and nutrients to all parts of the plant.

The vessels which transport water from the roots to the stem and leaves are called xylem vessels.