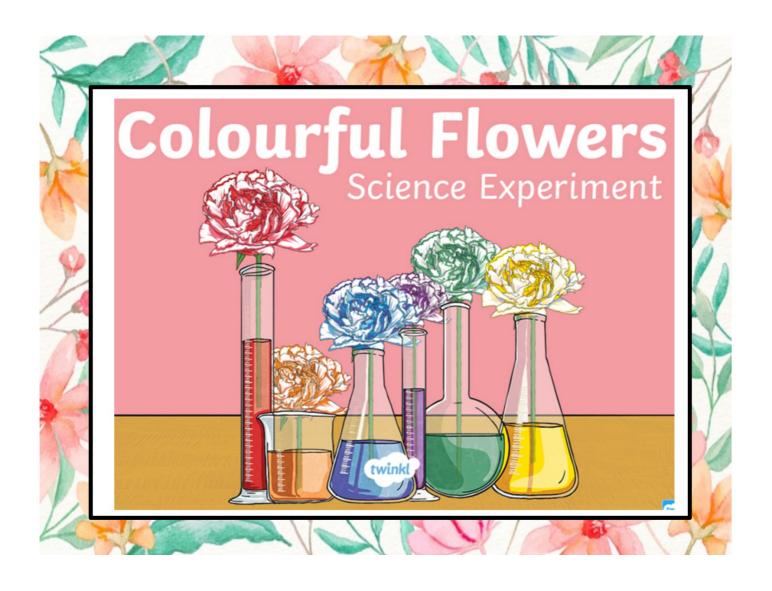
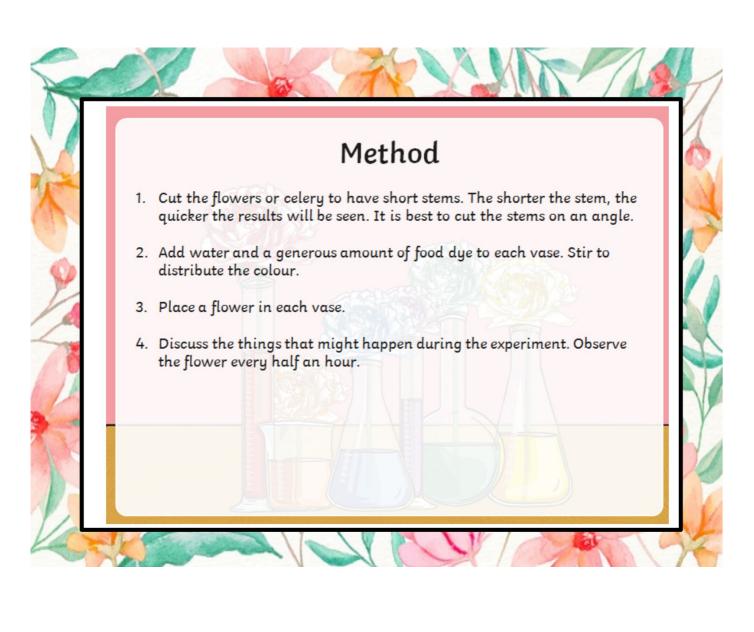
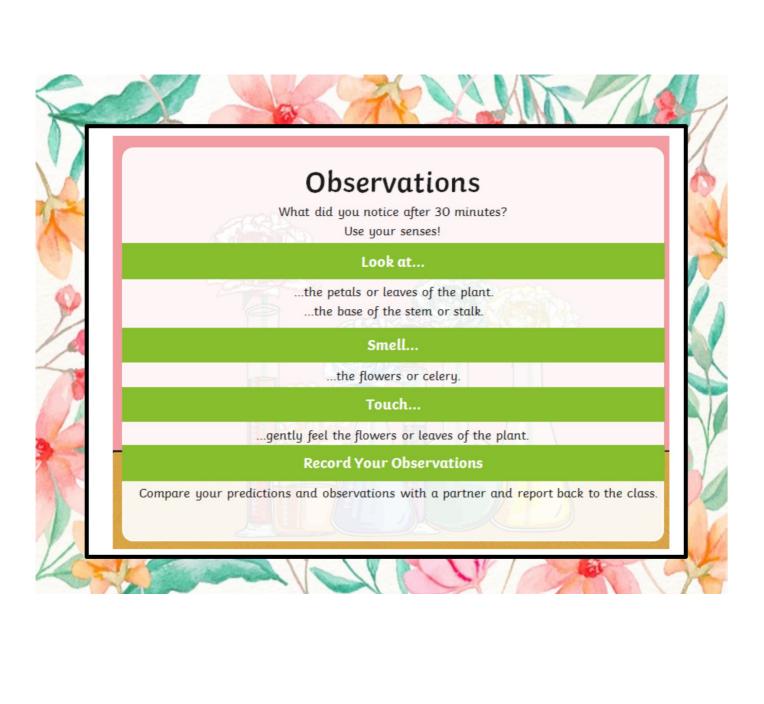


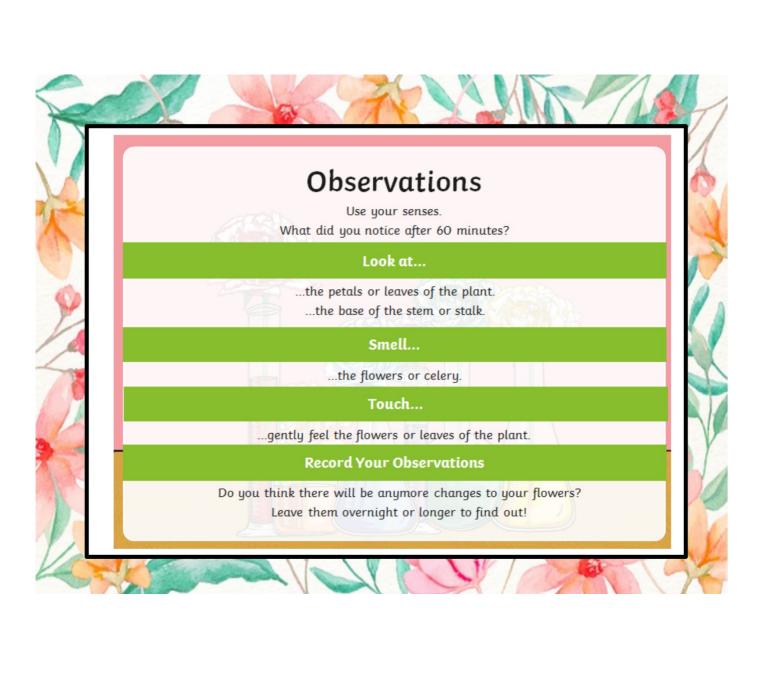
This experiment is to be used with white carnation flowers, however, it can also be done with celery with its leaves still on the end.



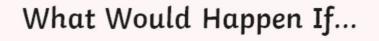










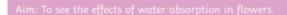


- 1. ...different coloured flowers were used?
- 2. ...the stems of the flowers were cut a different way?
- 3. ...the stems of the flowers were longer or shorter?
- 4. ...the temperature of the water was changed?
- 5. ...the flowers were placed in darkness or out in the sunshine?
- 6. ...the flowers were left in the water mixture for a longer amount of time?
- 7. ...another type of liquid was used instead of water?



Colourful Flowers

Science Experiment



Method

- Cut the flowers to have short stems (the shorter the stem, the quicker the results will be seen). It is best to cut the stems on an angle to give a greater surface area for the coloured water to enter through.
- 2. Add water and a generous amount of food dye to each vase.
- 3. Place a flower in each vase.
- 4. Observe the flower every half an hour or so. In about 30 minutes, some colour will start to show in the petals.

You will need:

white flowers with stems water coloured food dyes short vases or glasses

Teacher tip:

This process is called 'capillary action' and it is when the plant sucks water up through its stem to feed their cells and make them grow. Because the water is coloured, the petals of the flower end up coloured too.

