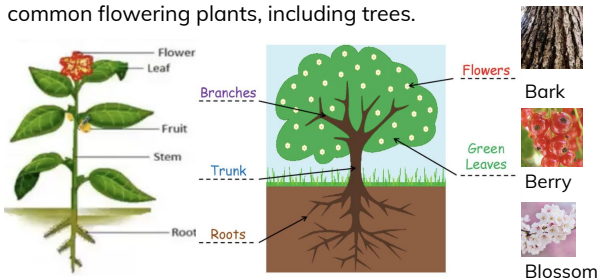




### Knowledge I already have

In year 1, I:

- identified and named a variety of common wild and garden plants, including deciduous and evergreen trees.
- identified and described the basic structure of a variety of common flowering plants, including trees.



### Future Knowledge

In year 3, I will:

- identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers.
- explore the requirements of plants for life and growth (air, light, water, nutrients from soil and room to grow) and how they vary from plant to plant.
- investigate the way in which water is transported within plants.
- explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.

### New Knowledge

By the end of this unit:

- I will observe and describe how seeds and bulbs grow into mature plants.
- I will find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.



### Scientific Enquiry

Study Over Time

- I will observe closely over time planted seeds and bulbs, gathering and recording measurements and observations. I will present my results.





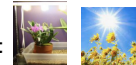




Research Using Secondary Sources

- I will research when and how to plant a range of seeds and bulbs inside and outside.

Comparative Testing

- I will set up a comparative test to show that plants need light and water to stay healthy and make comparisons of plants as they grow.

Plants may grow from either seeds or bulbs. These then germinate and grow into seedlings which then continue to grow into mature plants. These mature plants may have flowers which then develop into seeds, berries and fruits. Seeds and bulbs need to be planted outside at particular times of the year and they will germinate and grow at different rates. Some plants are better suited to growing in full sun and some grow better in partial or full shade. Plants also need different amounts of water and space to grow well and stay healthy.

<b>bulb</b>		Some plants grow from a bulb.
<b>germination</b>		To begin to grow or sprout.
<b>grow/growth</b>		An increase in size.
<b>healthy</b>		In a good physical condition.
<b>light sunlight</b>		Plants get energy from sunlight. They need light to grow but not to germinate.
<b>seed seedling</b>		A young plant grown from a <b>seed</b> or bulb (rather than a cutting).
<b>shade</b>		Where there is no direct sunlight.
<b>warmth</b>		Not too cold or hot. Plants need the right temperature to germinate and grow.
<b>water</b>		Plants need water to grow. Some need a lot of water, some need a small amount.