

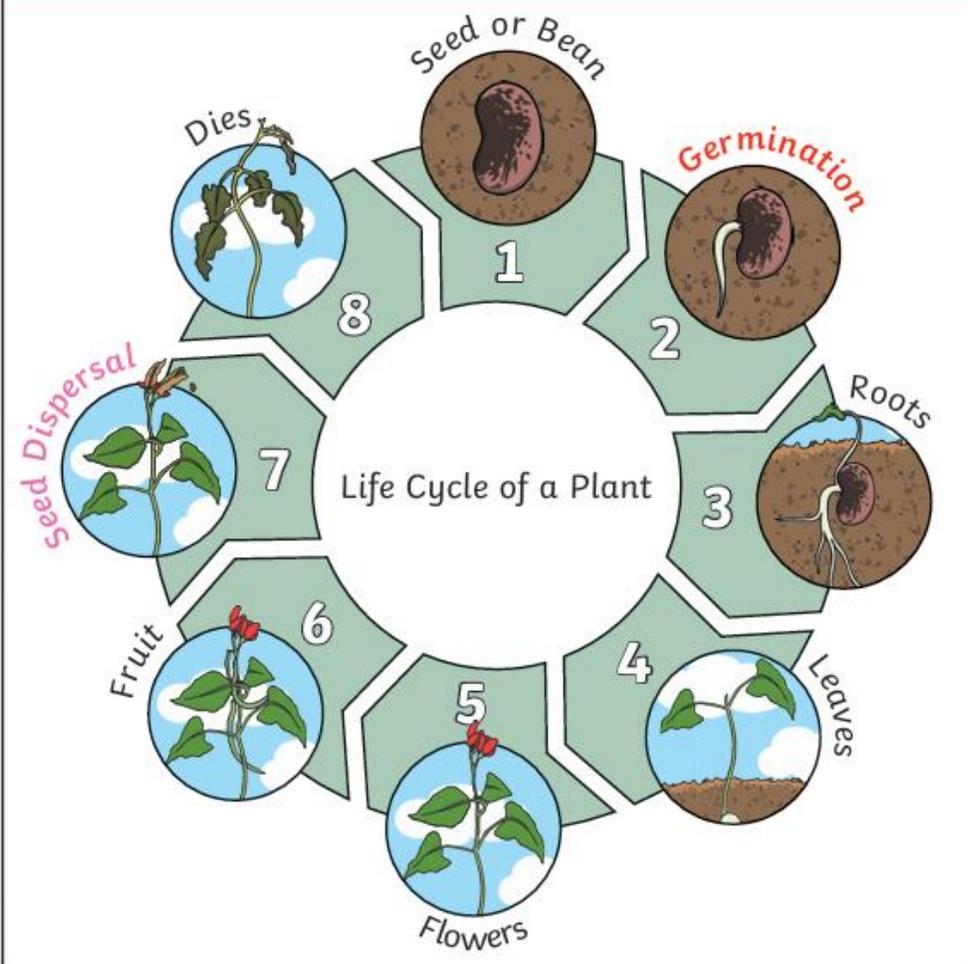


Key Vocabulary

<b>germination</b>	When the conditions are right, the seed soaks up <b>water</b> and swells, and the tiny new plant bursts out of its shell. This is called <b>germination</b> .
<b>shoot</b>	A <b>shoot</b> grows upwards from the seed or plant to find <b>sunlight</b> .
<b>seed dispersal</b>	<b>Seed dispersal</b> is when the seeds move away from the parent plant. They can drop to the ground in the plant's fruit or be moved by the wind or animals.



Key Knowledge



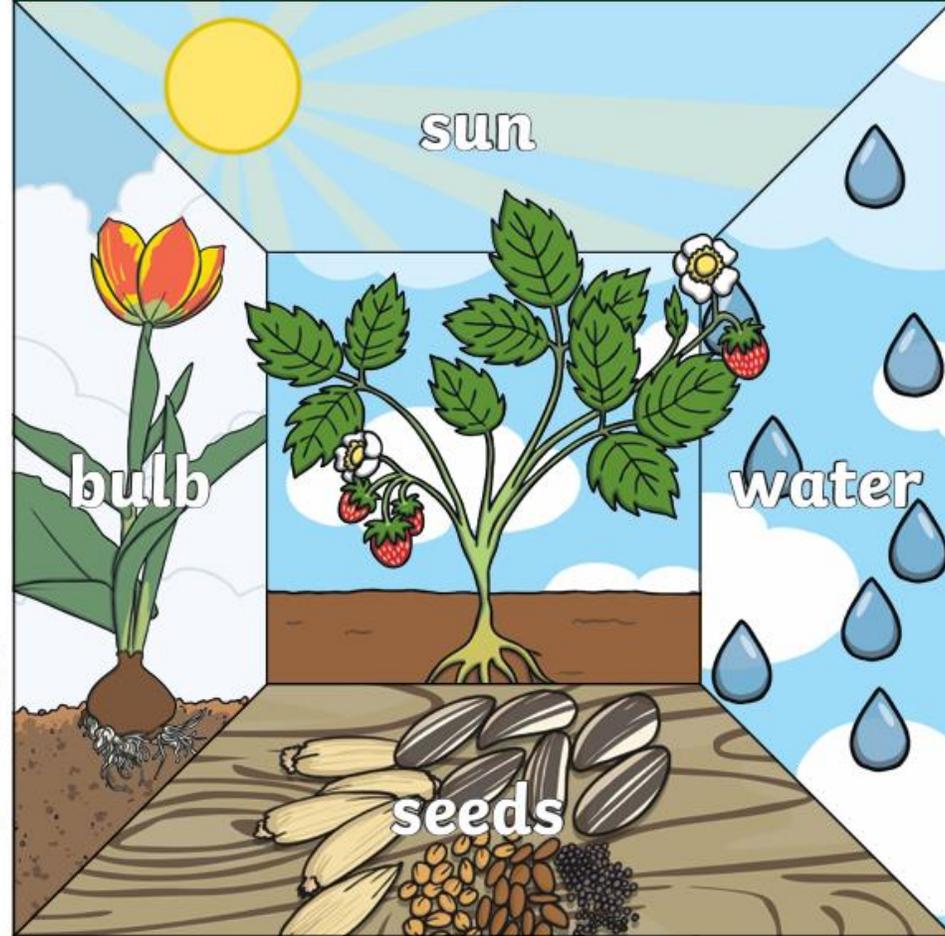


Key Vocabulary

What do plants need to grow well?

<b>sunlight</b>	All plants need light from the sun to grow well. Some plants need lots of <b>sunlight</b> . Some plants only need a little <b>sunlight</b> .
<b>water</b>	All plants need <b>water</b> to grow. Without <b>water</b> , seeds and bulbs will not <b>germinate</b> .
<b>temperature</b>	<b>Temperature</b> is how warm or cold something or somewhere is. Some plants like cooler <b>temperatures</b> and some like warmer <b>temperatures</b> .
<b>nutrition</b>	Food or nourishment. Plants make their own food in their leaves using <b>sunlight</b> .

Key Knowledge





## As a Scientist...

### In year 1:

- Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees.
- Identify and describe the basic structure of a variety of common flowering plants.
- Identify and name the roots, trunk, branches and leaves of a tree.

### In year 2:

- Observe and describe how seeds and bulbs grow into mature plants.
- Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy. Pupils should use the local environment throughout the year to observe how different plants grow.

### In year 3:

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