



Science Knowledge Organiser - Year 2 Plants

Key Knowledge

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, fruits etc.

Seeds and bulbs need to be planted outside at particular times of 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.

Diagrams



All plants need light from the sun to grow well. Some plants need lots of sunlight. Some plants only need a little sunlight. All plants need water to grow. Some plants like cooler temperatures and some like warmer temperatures.



Vocabulary

bulb	The round underground part of a plant that contains food for the plant, for example, an onion bulb, daffodil bulb, a tulip bulb.
germinate	This is when a seed begins to grow, using its stored food, and put out roots and shoots.
root	The part of a plant that grows downwards, it gets water from the ground, and holds the plant in place.
stem	The stem is usually the upper part of the plant and it can have branches, leaves and flowers.
annual	The flower will appear once every year
seedling	A young tree or plant grown from a seed.
shade	Darkness caused by light rays being blocked.

Prior knowledge from Year 1

Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees. (Y1 -Plants)

Identify and describe the basic structure of a variety of common flowering plants, including trees. (Y1 - Plants)