



Science Knowledge Organiser

This is biology.
Biology is the
study of living
things.

Plants

Scientist



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Key Vocabulary

- sunlight
- warmth
- temperature
- cool
- water
- grow
- shade
- healthy
- conditions
- seed germination
- bulb
- life cycle



wilted flower



seed



bulb



Prior Knowledge

- Identify and name wild and garden plants and know the difference between deciduous and evergreen trees.
- Identify and describe the basic structure of flowering plants and trees.
- Know that plants grow in different environments.
- To know that roots take in water and minerals from the ground.
- To know that leaves take energy from the sun and turn energy into food for the plant.

Key Knowledge

- Like animals and humans, plants also need water and nutrients to survive.
- Plants get water from the soil through their roots.
- Plants can catch water on their leaves.
- To help them grow well, plants need access to sunlight.
- Plants use sunlight to make their own food.
- If plants don't have enough light and warmth, they become weak and could freeze and die.
- If it is too hot for a plant, plants can burn and wilt.
- Plants need room for their roots and stems to grow.
- Plants have a life cycle that helps keep new plants growing.
- Plants begin life as seeds or bulbs. They need soil, air and water to grow well.

Germination is the moment when a seed starts to grow into a new plant.

