



Key Vocabulary

nutrients	Any substance a plant or animal needs to grow
carpel	The female part of the flower containing the ovules
stamen	The male part of the flower, containing the anther and filament
pollination	The movement of pollen from the male to female parts of a flower
germination	The process by which a plant grows from a seed
fertilisation	The creation of a seed by the joining of pollen to an egg

Key Facts

- There are 3 main parts to a plant. Roots absorb water and nutrients from the soil and anchor the plant to the ground. The stem holds the plant straight and transports water. Leaves absorb sunlight to make food.
- Seeds can be dispersed in different ways. The wind and animals can help with this.
- Flowers are brightly coloured to attract insects. These insects then collect pollen which will then end up in another flower - this is pollination!
- Every flower has a carpel(female) and a stamen(male) although, they cannot reproduce without help from pollination.
- Plants need air, water, sunlight, nutrients, room and a sustainable temperature to grow. The amount may differ from plant to plant.

Key Questions

- What do flowers need to grow?
- Do different plants need different things to grow?
- What are the different parts of a flowering plant?
- How do plants drink?
- What does each part of a flowering plant do?
- Why do some plants have flowers?
- What is seed dispersal?

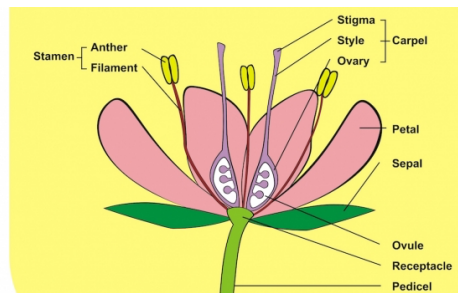
Links to other Learning

- EYFS - ELG: The Natural World
Explore the natural world around them
- Year 1 - Plants
Identify and describe the basic structure of a variety of common flowering plants including trees
- Year 2 - Plants
Find out how plants need water, sunlight and a suitable temperature to grow and stay healthy
- Year 5 - Living things and their habitats
Describe the life process of reproduction in some plants and animals
- Year 6 - Evolution and inheritance
Describe how animals and plants are adapted to suit their environment
- Geography - Climate zones and vegetation belts.

Methods of seed dispersal



Parts of a flower



Famous Scientist

Agnes Arber
1879-1960

Born in London, Agnes Arber was the first woman to be elected as a Fellow of the Royal Society. Arber spent the 1930s and 1940s researching the structure of flowers. She would often include detailed illustrations to accompany her concepts.

