



Science Knowledge Organiser

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

Plants

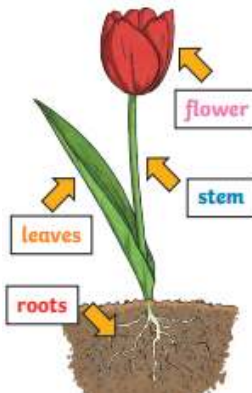
Scientist



Mary
Seacole

Key Vocabulary

- roots
- leaves
- stem
- trunk
- photosynthesis
- pollen
- fertilisation
- insect pollination
- wind pollination
- seed formation
- seed dispersal
- stigma
- sepal
- filament
- anther
- ovary
- receptacle
- life cycle



Prior Knowledge

- Observe and describe how seeds and bulbs grow into mature plants.
- Describe how plants need certain things to grow and stay healthy such as water, light and an appropriate temperature.

Seed Dispersal

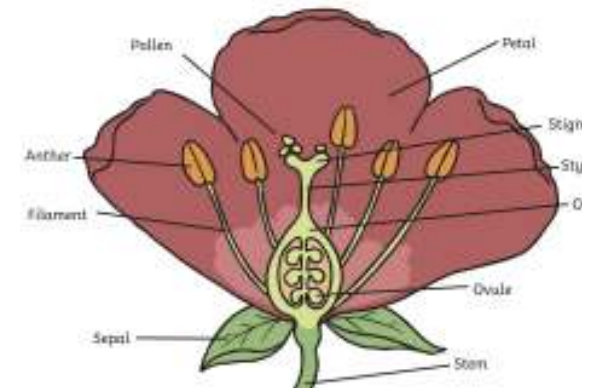
Seeds can be dispersed by:



Key Knowledge

- The life of a plant starts when a seed germinates.
- Plants can't grow if they aren't in the correct conditions.
- Photosynthesis is the process where plants make their own food using sunlight, water and carbon dioxide.
- Flowers produce pollen, which is a thin powder. Pollen fertilises other flowers and the same type of flower so they can produce seeds.
- Fertilisation is when the pollen meets the ovule to form a seed,
- Insects carry pollen from one flower to another flower and can be carried by wind.
- After pollination, flowers can make a seed that can grow into a new plant.

Parts of a Flower



What Does a Plant Need to Grow?

