

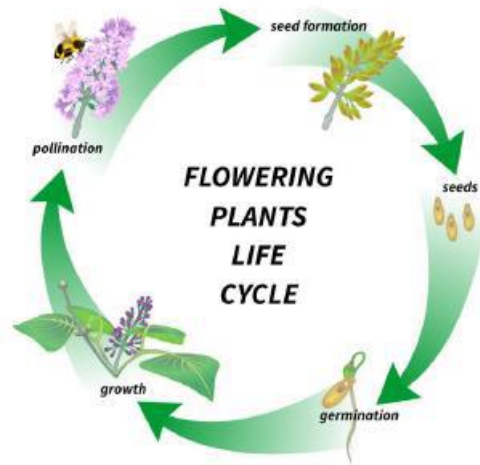
Year 3 Science- Biology- Plants.

Prior Knowledge

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, including trees

Key Diagram



Key Information

How Water Moves through a Plant

1. The roots absorb water from the soil.
 2. The stem transports water to the leaves.
 3. Water evaporates from the leaves.
 4. This evaporation causes more water to be sucked up the stem.
- The water is sucked up the stem like water being sucked up through a straw.

Key Vocabulary

Roots - These anchor the plant into the ground and absorb water and nutrients from the soil.

stem -This holds the plant up and carries water and nutrients from the soil to the leaves. A trunk is the stem of a tree.

leaves -These make food for the plant using sunlight and carbon dioxide from the air.

seed dispersal- A method of moving the seeds away from the parent plant so that the seeds have the best chance of survival.

Flowers- These make seeds to grow into new plants. Their petals attract pollinators to the plant.

nutrients These substances are needed by a living things to grow and survive. Plants get nutrients from the soil and also make their own food in their leaves.

pollination When pollen (a fine powdery substance produced by a flowering plant) is moved from the male anther of a flower to the female stigma.

pollinator Animals or insects which carry pollen between plants. Examples include birds, bees and bats.

Knowledge and Understanding

Seed Dispersal Seeds can be dispersed by: **wind** for example dandelion seeds

By animals (they get eaten and pooped out)

By explosion (dry seed pods split open and shoot out the seeds)

To grow and survive plants need : light water carbon dioxide

This is so they can make their own food

Warmth - this is because if plants get too hot or too cold they will die

The job of a flower – The flower exists to make new plants
The flower contains the pollen and eggs that make the seeds

The seeds grow into new plants

How does Pollen get from one plant to another?

Insects:

The insect goes to the first flower looking for nectar

Pollen gets stuck to it

When it goes to another flower the pollen gets stuck to that flower

Wind:

Pollen is blown from one flower to another

