

I learned a bit about this in Year 1 and 2!

Year 3 Science Knowledge Organiser

Plants

Key Knowledge

There are 2 main types of plant – plants that flower and plants that don't.

Plants are important to our world. They provide animals with food and shelter as well as providing oxygen to animals including humans.

The main parts of plants are **roots**, which take in water and nutrients and give a plant support; **stem**, which transports water to the plant; **leaves**, which make food for the plant and **flowers**, which help with reproduction and new plants.

All plants need water to survive. The water is absorbed through their roots and travels to different parts of a plant through small tubes inside the stem.

A plant is able to make its own food through a process called **photosynthesis**. This is when a plant turns **sunlight**, **water** and **carbon dioxide** into food for the plant and oxygen for the environment.

Plants continue to grow through their life cycle through the processes of **pollination** and **seed dispersal**.

In order to grow healthily, plants must have the right conditions. This includes the amount of space they have.

Key Vocabulary

Absorb	When water is soaked into the roots of a plant.
Nutrients	All of the good things a plant needs to help it grow.
Transport	How the nutrients travel around a plant.
Photosynthesis	The way that a plant makes food for itself. Plants need sunlight, water and carbon dioxide from the air to do this.
Pollination	When pollen from one flower travels to another flower to help make new seeds to grow new flowers. This often happens when pollen gets stuck to insects like bees.
Seed Dispersal	When a plant spreads its seeds so it can grow more plants in new places. This can happen because of wind or other animals.



Plants are often pollinated by insects.

