

Year 3 Knowledge Organiser- How does your garden grow?

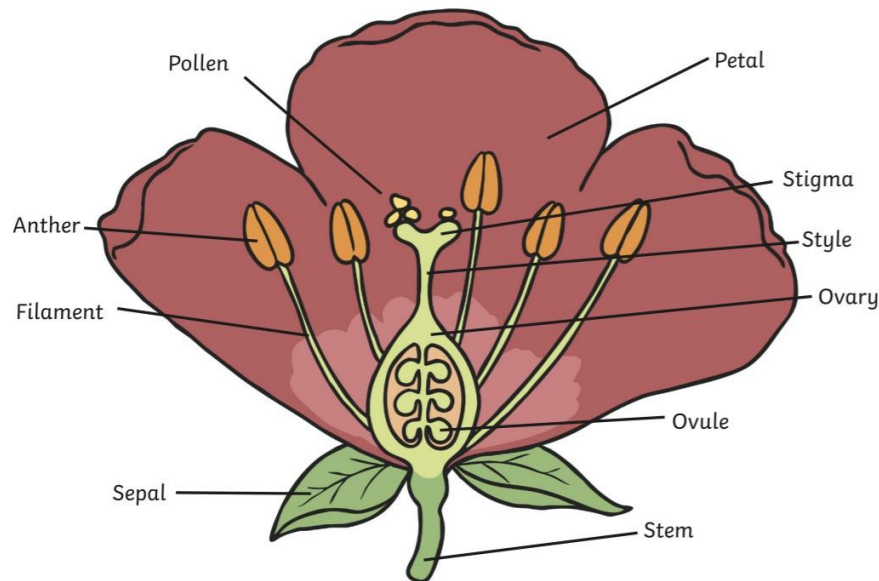
What will I learn?

In this topic we will learn:

- What **conditions** does a plant need for life and growth?
- What are the different parts of a **plant** and **flower** called?
- What would happen if a **plant** lost its leaves?
- What is the **function** of roots?
- What is the **function** of a stem?
- **Where** do new plants come from?

Parts of a flower

Parts of a Flower



Previous learning

Year 1
Is it fun the great outdoors?
Year 2: Can I be an explorer like Neil Armstrong?

You should already know:

The names of common wild and garden plants, including deciduous and evergreen trees. That plants need light, warmth and water to be able to grow and survive. How seeds and bulbs grow into mature plants.

Vocabulary Dozen

conclusion	the ending, result or outcome
dispersal	to spread
fertilization	occurs after pollination when pollen moved from the male part to the female part of the plant within the plant
function	the purpose or job of something
germination	the development of a seed to a plant
nutrients	something in food that helps people, animals, and plants live and grow
photosynthesis	a process in which plants use sunlight to create their own food
plant	a living thing that grows in the earth
pollination	transfer of pollen from the male to the female part of the plant by animal or wind
root	the part of the plant that is in the ground which collects nutrients
structure	a thing made up of a number of parts joined together in a certain way.
water transportation	The movement of water through the plant

Key Knowledge

What conditions does a plant need for life and growth?

In order for most plants to grow it's important that they have space to grow, the right temperature, light, water, air and nutrients.

What are the different parts of a flowering plant called?

A plant has many different parts. The four main parts are: leaves, stem, **root** and petals. They all have different jobs. A flower has many different parts including the male stamen and the female stigma. The job of a flower is to produce seeds to make new flowers.

What would happen if a plant lost its leaves?

The leaves are a very important part of a plant because they absorb sunlight and turn this in to food. If a plant loses its leaves, it will not be able to make as much food so it will not grow and eventually die.

What is the function of roots?

The **roots** of a plant have two important jobs. They absorb water and **nutrients** from the soil and anchor the plant in to the soil so it is secure.

What is the function of a stem?

The stem transports the water and minerals from the soil to different parts of a plant. It also provides **structure** and support to the plant.

Where do new plants come from?

Without bees, new plants would not grow. Bees **pollinate** plants, which allows new seeds to grow inside the plant.

The new seed which is grown inside the plant is then **dispersed** (spread) to different areas where it can **germinate** and turn in to a new plant.

Seeds can be **dispersed** in several different ways, for example: the wind, by sticking animals, by animals eating them and by the water.

Useful Weblinks



<https://www.bbc.co.uk/bitesize/clips/znvfb9q>



<https://www.bbc.co.uk/bitesize/topics/zpxnyrd/articles/z2vdjxs>

