

Sustainability/
Biodiversity


Year 3 Plants- Summer 1 and 2

Useful websites


<https://www.bbc.co.uk/bitesize/topics/zy66fg8/articles/zc1np39>

Sticky Knowledge

- soil - contains water and nutrients that plants use to grow and stay healthy




- seed - a part of a plant that can grow into a new plant




Key vocabulary


- leaf - absorbs sunlight to make food for the plant




- stem - carries water to different parts of the plant




- roots - absorb water and nutrients from the soil and hold the plant in place




- flower - helps the plant to reproduce and create new life




- soil - contains water and nutrients that plants use to grow and stay healthy




- petals - attract insects to the flower




- stamen - the male parts of a flowering plant



- pollen

- pistil - the female parts of a flowering plant



- eggs

- reproductive organs - parts of a living thing needed to make offspring

Emma researches plants that are threatened by international trade. This includes rainforest trees, which are used for timber to make furniture, herbs, which are used to make medicines, and flowers, which are popular as houseplants.

What are the main parts of a plant?

Seed, root, stem, leaves, flower, stamen- male parts, Pollen, pistil- female parts

How are seeds dispersed?

Wind dispersal, water dispersal, explosion dispersal, seed dispersal.

What are the functions of each part of the plant?

The **roots** absorb water from the soil and hold the plant in place.
The **stem** carries water to different parts of the plant.

What are the effects of the weather, the seasons and humans on plants?

- Temperature changes
- Amount of rain
- Climate change
- Amount of sunlight
- Chemicals

The leaves absorb sunlight to make food for the plant.

The **flowers** help the plant to reproduce and create new life.

What do plants need to survive and why are they important?

Plants need water, air, sunlight and space to grow. They are important because they feed us and they affect the natural world around them.

Key Vocabulary

Vocabulary	Definition
reproductive organs	parts of a living thing needed to make offspring
dissection -	the method of separating something into parts.
Photosynthesis	The process of turning sunlight into energy by the leaves.
Germination	Germination is the process of a seed breaking its coating and sending out its first leaves and roots.
independent variable	What we will change
Dependent variable	What we will measure
Controlled variable	What we will keep the same
Water transportation	the movement of water from the roots, through the stem, to the leaves and flowers.
seedling	a young plant grown from a seed that has not yet fully grown

