

Plants

Class 3 and 4

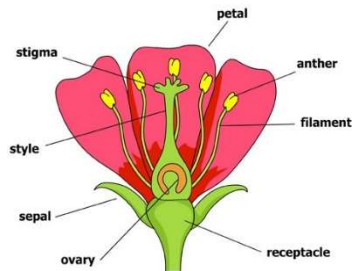
Key Vocabulary

Roots	The 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.	What are the male and female parts of a plant? Stamen The male parts of the flower. The stamen is made up of the anther and the filament. The filament's job is to hold up the anther. The job of the anther is to make pollen. Carpel (Pistil) The female parts of the flower. Made up of the stigma, style and ovary. The job of the stigma collects pollen when a pollinator brushes by it. The ovary contains the ovules, which are part of the flower that gets fertilised and eventually becomes a new seed.
Flowers	These make seeds to grow into new plants. Their petals attract pollinators to the plant.	Evaporation	When liquid turns into a gas.	
Leaves	These make food for the plant using sunlight and carbon dioxide from the air (photosynthesis).	Petal	The brightly coloured part of the flower that attracts insects to pollinate the plant.	
Sepal	Leaf-like structures that protect the flower and petals before they open out.	Germination	When a seed starts to grow.	
Pollinator	Animals or insects which carry pollen between plants e.g. birds, bees, bats.	Pollination	When pollen (a fine powdery substance produced by a flowering plant) is moved from the male anther to the female stigma.	
Nutrients	These substances are needed by living things to grow and survive. Plants get nutrients from the soil and also make their own food in their leaves.	Seed dispersal	A method of moving the seeds away from the parent plant so that the seeds have the best chance of survival.	
Fertilisation	When the male and female parts of the flower have mixed in order to make seeds for new plants to grow.			

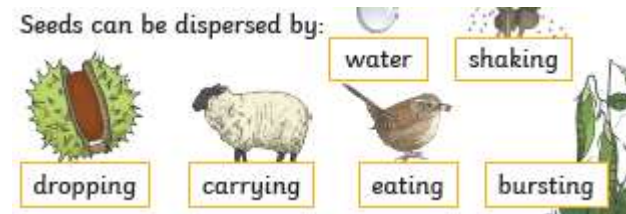
Key Knowledge

How does water move through a plant? <ol style="list-style-type: none"> The roots absorb water from the soil. The stem transports the water to the leaves. Water evaporates from the leaves. This causes more water to be sucked up. 	What is the life cycle of a flowering plant?
What does a plant need to grow? <p>Plants need: water; light; air; room to grow; and food and nutrients from the soil.</p> <p>Different plants vary in how much of these they need to grow.</p>	

What are the parts of a flower?



How are seeds dispersed?



Prior Learning

Children will learn about the lifecycle of a plant, what a plant needs to grow and what plants we eat.

Next Steps

Children will develop their knowledge of working scientifically

