Year 3

Science

Plants

Significant Scientists	
Joseph Dalton	He was a doctor who
Hooker (1817-1911)	travelled to many countries
	exploring why plants grow in different locations.
Professor	Monique Simmonds is the
Monique	deputy director of Science at
Simmonda	the Royal Botanical Gardens,
	Kew. She researches the
	traditional and economical
	uses of plants and fungi.

How plants survive and	Plants need water,
grow	light, air, warmth and
	nutrients from the
	soil to grow.
Parts of Flower	• Petal
	 Carpel
	• Stamen
	 Sepal
	 Pollen
	• Stem

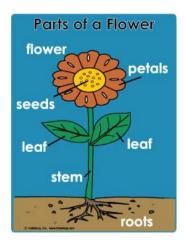
Key Vocabulary and Phrases	
Roots	These anchor the plant in place and absorb water
	and nutrients from the soil.
Stem/trunk	Transports water and nutrients around the plant.
Petal	The colourful part of the plant.
Stamen	Male part of the plant that contains pollen.
Carpel	Female part of the plant that contains pollen.
Fertilisation	When pollen and egg join together to make a seed.
Pollination	The transfer of pollen to allow fertilisation.
Pollen	Yellow powder produced by the stamen.
Seed Dispersal	Spreading seeds over a wide area.
Photosynthesis	The way in which plants create their food.
Germination	When a seed sprouts a root and shoot.

Year 3

Seed Dispersal	
Eaten by Animals	Animals eat seeds that do not digest properly so they poo out the seeds.
Wind	The wind can carry seeds.
Explosion	Seeds can burst out of their pods.
Stuck to Animals	Seeds can get stuck on animal fur.
Water	Rivers can carry seeds.



Science



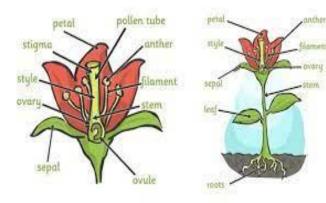
ants Need
55
Nutrient
Air



Cutto Let's Talk Science

Plants

How does pollen travel?	
Wind	The wind can blow pollen from one plant to another.
Insects	Insects can carry pollen. The pollen aticks to them and is transported to another flower when the insect lands on it.



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Questions	What? Why? Where? When?
	How?
Record	Take photos, draw
	diagrams, tables and
	charts or writing to show
	your findings.
Diagram	A labelled picture.
Measure	Time - Seconds, Minutes,
	Hours
	Mass - Grams
	Volume - Millimetres
	Length - Centimetres and
	Metres.
Sort and group	Organise plants by their
	features.
Observe	Watch closely and
	carefully how a plant
	changes over time.
Compare and	Look and similarities and
contrast	differences between
	plants.
Variable	Something you can change
	or adapt in your
	investigation/experiment.

Science - Working Scientifically

Things You Could Investigate:

Do plants need room to grow?

How are seeds dispersed?

How is water transported in plants?

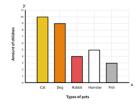
Plants

Equipment

A magnifying glass lets you observe closely.



Recording your findings



Kind of flower	Number of flowers
Rose	1
Tulip	5
Lily	5
Orchid	4
Forget-me-not	9
Total	24

Sorting rings let you sort objects into groups.



Bar Chart

Table