

Plants- Year 3- Kapow unit- Plant reproduction

Previous learning

Observe and describe how seeds and bulbs grow into mature plants

Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.

Key scientists you could look at...

George Washington Carver

Scientific skills

Working scientifically	Questioning and enquiry	Observing and measuring	Investigating	Recording	Grouping and classifying
To use practical scientific methods, processes, and skills	Ask some relevant questions and use different types of scientific enquiries to answer them	Begin to make systematic and careful observations. Take accurate measurements using standard and non-standard measurements. Begin to use a range of equipment. Begin to look for naturally occurring patterns and relationships. Help to make decisions on how to carry out an investigation.	Set up simple practical experiments focusing on comparative and fair tests and begin to know when a fair test is necessary and decide how to set it up. Begin to think of more than one variable factor.	Gather, record, and begin to classify and present data in a variety of ways to help answer a question. Begin to record findings using scientific vocabulary, drawings, labelled diagrams, keys, bar charts, and tables. Begin to report on findings including oral and written explanations, displays and presentations. Begin to use notes, simple tables, and standard units to record and analyse data.	Begin to identify similarities and differences related to scientific ideas and processes. Talk about criteria for grouping, sorting, and classifying using simple keys. Begin to compare and group according to behaviour or properties, based in testing.

Key Vocabulary for Year 3

Air	Flower
Light	Roots
Water	Leaves
Nutrients	Flowers
Soil	Stem/trunk
Reproduction	
Transportation	
Dispersal	
Pollination	

Previous vocabulary

Seeds, bulbs, water, light, temperature, growth

Useful links

<https://www.stem.org.uk/resources/community/collecion/12535/year-3-plants>

<https://www.hamilton-trust.org.uk/science/year-3-science/plants-roots-and-shoots/>

https://www.outstandingscience.co.uk/index.php?action=view_page&page=view_unit&unit=3a

Experiment and activity ideas

Colour changing flowers- water transportation	Dissecting a flower- label the parts	Growing seeds- what conditions are needed	Investigate plants/flowers that use seed dispersal-	Investigate pollination
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Knowledge- objectives

Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers

Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant

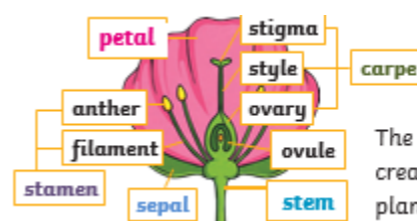
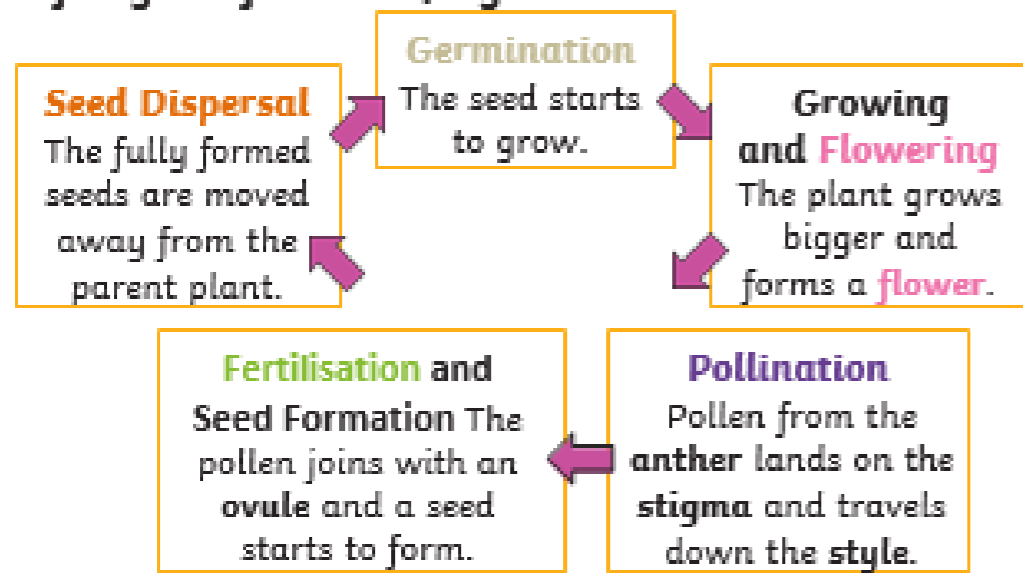
Investigate the way in which water is transported within a plant

Explore the part that flowers play in the lifecycle of flowering plants, including pollination, seed formation and dispersal

Resources in school

Use of the forest school site to observe plants in their natural habitats, magnifying glasses.

Life Cycle of a Flowering Plant



The flower's job is to create seeds so that new plants can be grown.

Seed Dispersal

Seeds can be dispersed by:

