



PLANTS (BIOLOGY)

Statements in *red* are linked from other topics

Progression in Scientific knowledge, concepts & skills	EYFS (Early Learning Goals)	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6	KS3
<p><u>Concepts</u> Structure Function Variation Growth</p> <p><u>Working Scientifically</u></p>	Children know about similarities and difference in relation to places, objects, materials and living things.	Identify and name a variety of common, wild and green plants, including deciduous and evergreen trees	Observe and describe how seeds and bulbs grow into mature plants	Identify and describe the functions of different parts of flowering plants: roots, stem/ trunk, leaves and flowers	<i>Recognise that living things can be grouped in a variety of ways</i>	<i>Describe the life process of reproduction in some plants and animals (Living things and their habitats)</i>	<i>Describe how living things are classified into groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals</i>	Reproduction in plants, including flower structure, wind and insect pollination, fertilisation, seed and fruit formation and dispersal, including quantitative investigation of some dispersal mechanisms
	Children talk about features of their own immediate environment and how environments might vary from one another	Identify and describe the basic structure of a variety of common flowering plants including trees	Find out and describe how plants need water, light and suitable temperature to grow and stay healthy <i>Identify and name a variety of plants and animals in their habitats,</i>	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	<i>Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment</i> <i>Recognise that environments can change and that this can sometimes pose dangers to</i>		<i>Give reasons for classifying plants and animals based on specific characteristics</i>	



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	Children make observations of animals and plants and explain why some things occur and talk about changes		<i>including microhabitats (Living things and their Habitats)</i>	Investigate the way in which water is transported within plants Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal	<i>living things (Living things and their Habitats)</i>		<i>(Living things and their habitats)</i>	
Possible Learning Challenge Questions		Which birds and plants would Little Red Riding Hood find in our park?	How can we grow our own salad?	How does your garden grow?				