



Biology - Plants progression of substantive knowledge

Statements in red are from linked science units.

Year	Core Knowledge
EYFS	Draw information from a simple map. (EYFS - Living things and their habitats)
	Explore the natural world around them. (EYFS - Living things and their habitats)
	Describe what they see, hear and feel whilst outside. (EYFS - Living things and their habitats)
	Recognise some environments that are different to the one in which they live. (EYFS - Living things and their habitats)
	Understand the effect of changing seasons on the natural world around them. (EYFS - Seasonal changes)
KS1 Cycle A	Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees.
	Identify and describe the basic structure of a variety of common flowering plants, including trees
	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.
KS1 Cycle B	Identify and name a variety of plants and animals in their habitats, including microhabitats. (Y2 - Living things and their habitats)
Year 3	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 plants.
	Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.
Year 4	Recognise that living things can be grouped in a variety of ways. (Y4 - Living things and their habitats)
	Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment. (Y4 - Living things and their habitats)
	Recognise that environments can change and that this can sometimes pose dangers to living things. (Y4 - Living things and their habitats)
Year 5	Describe the life process of reproduction in some plants and animals. (Y5 - Living things and their habitats)

Year 6	Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including microorganisms, plants and animals. (Y6 - Living things and their habitats)
	Give reasons for classifying plants and animals based on specific characteristics. (Y6 - Living things and their habitats)