



LIVING THINGS AND THEIR HABITATS (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
<u>Concepts</u> Function Variation Adaptation Cause and effect Process Working Scientifically	Children know about similarities and difference in relation to places, objects, materials and living things	<i>Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees</i>	Explore and compare living and non-living things (including things that have never been alive)	<i>Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal (Plants)</i>	Recognise that living things can be grouped in a variety of ways (using classification keys)	Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird	Classify living things according to common observable characteristics (reptiles, amphibians, mammals, insects)	Reproduction in humans including the structure and function of the male and female reproductive systems, menstrual cycle gametes, fertilisation, gestation and birth
	Children talk about features of their own immediate environment and how environments might vary from one another	<i>Identify and describe the basic structure of a variety of common flowering plants including trees (Plants)</i>	Describe how most living things (including plants) live in habitats or micro-habitats suited to them Know that habitats provide for the basic		Recognise that environments can change and can pose dangers to living things <i>Construct and interpret a variety of food chains, identifying producers, predators and prey (Animals including</i>	Describe the life process of reproduction (birth, growth, development)	Give reasons for classifying plants and animals based on specific characteristics (for example vertebrates and invertebrates)	Reproduction in plants, including flower structure, wind and insect pollination,



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	Children make observations of animals and plants and explain why some things occur and talk about changes	<i>Identify and name a variety of common animals</i> <i>Identify and name carnivores, herbivores and omnivores (Animals including Humans)</i> <i>Observe changes across the four seasons (Seasonal Changes)</i>	needs of different animals and plants (and how they depend on each other) Identify and name a variety of plants and animals in their habitats, including microhabitats Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food		Humans)			fertilisation, seed and fruit formation and dispersal, including quantitative investigation of some dispersal mechanisms Differences between species.
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			<i>Notice that animals including humans have offspring which grow into adults (Animals including Humans)</i>					
Possible Learning Challenge questions			Can we all live in the same place?		Which wild animals and plants thrive in your locality?	Do all animals and plants start life as an egg?	Are all creatures the same?	