

		Year 2 Habitats <u>Microhabitats</u>	Year 4 Classification and changing habitats
Scientific knowledge and understanding	Characteristics of living things	<p>To begin to understand some of the life processes, including movement, reproduction, sensitivity, growth, excretion and nutrition.</p> <p>To know the difference between things that are living, dead, and things that have never been alive, using some of the life processes.</p>	<p>To know that living things can be grouped in different ways.</p> <p>To know that a classification key can be used to group and identify plants and animals.</p> <p>To know that vertebrates are animals which have a backbone and invertebrates are animals which do not have a backbone.</p> <p>To know that plants can be grouped into flowering or non-flowering varieties.</p> <p>To know that flowering plants include grasses and non-flowering plants includes ferns and mosses.</p> <p>To know that there are five main vertebrate groups: birds, mammals, reptiles, amphibians and fish.</p> <p>To know that invertebrate groups include snails, slugs, worms, spiders and insects.</p>
	Variation and inheritance	<p>To know a variety of plants and animals and describe some differences.</p>	
	Habitats and interdependence	<p>To name a variety of habitats, including woodland, ocean, rainforest and seashore.</p> <p>To know that a habitat is the environment where an animal or plant lives/ grows, because it provides what they need to survive.</p> <p>To know that a micro-habitat is a very small habitat (e.g. stones, logs and leaf litter).</p> <p>To know that living things depend upon each other (e.g. for food, shelter.)</p> <p>To understand that a food chain can be used to show how animals obtain food from eating either plants and/or other animals.</p>	<p>To know that habitats can change throughout the year and this can be dangerous for living things.</p> <p>To know that humans can have both a positive and negative impact on the environment.</p>

		Year 5 Life cycles and reproduction	Year 6 <u>Classifying big and small</u> <u>Evolution and inheritance</u>
Scientific knowledge and understanding	Characteristics of living things		<p>To know that 'organism' is a term used to refer to an individual living thing.</p> <p>To know that micro-organisms are incredibly small and cannot usually be seen by the naked eye.</p> <p>To know the characteristics of the different groups of vertebrates and commonly found invertebrates.</p>
	Variation and inheritance	<p>To know that a life cycle shows the changes an animal or plant goes through until the reproduction of a new generation when the cycle starts again.</p> <p>To know that all living things must reproduce for the species to survive.</p> <p>To know that sexual reproduction requires two parents, whereas asexual reproduction only requires one parent.</p> <p>To know that there are different processes plants and animals use to reproduce (asexual and sexual reproduction).</p>	<p>To know that living things have changed over time.</p> <p>To know that fossils provide us with information about living things that inhabited the Earth millions of years ago.</p> <p>To know that characteristics are passed from parents to their offspring, but that all offspring vary from their parents.</p> <p>To know that over time, variation in offspring can affect animals' chances of survival in particular environments.</p>
	Habitats and interdependence		<p>To know that animals and plants have adapted to suit their environment over many millions of years and that this process can be called evolution.</p>