

## Living Things and Their Habitats

| Year Group | Unit   | Key Knowledge  | Key Vocabulary   |
|------------|--|--|--|
| Nursery    | The World Around Us  | <ul style="list-style-type: none"> <li>Plant seeds and care for growing plants.</li> <li>Understand the key features of the life cycle of a plant and an animal.</li> <li>Begin to understand the need to respect and care for the natural environment and all living things.</li> </ul>   | natural, plant, animal, leaves, seeds, conkers, acorns, twigs, bark, shells, feathers, pebbles, stones, same, different, pattern   |
| Reception  | The World Around Us  | <ul style="list-style-type: none"> <li>Explore the natural world around them.</li> <li>Describe what they see, hear and feel while they are outside.</li> <li>Recognise some environments that are different to the one in which they live.</li> <li>Understand the effect of changing seasons on the natural world around them.</li> </ul> <p><b>ELG</b></p> <ul style="list-style-type: none"> <li>Explore the natural world around them, making observations and drawing pictures of animals and plants.</li> <li>Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class.</li> <li>Understand some important processes and changes in the natural world around them</li> </ul>   | plant, tree, bush, flower, vegetable, herb, weed, animal, names of plants and animals they see, name of a contrasting environment e.g. beach, forest   |
| Year 1     | The Seasons  | <ul style="list-style-type: none"> <li>identify what to observe</li> <li>use descriptive words, photos and pictures to record changes</li> <li>collect evidence of changes (e.g. leaves, seeds, flowers)</li> <li>name the four seasons</li> <li>recall simple changes associated with each season</li> <li>observe and name types of weather (e.g. rain, sun, wind, clouds)</li> <li>identify what to measure about the weather</li> <li>use prepared tables and charts to record data</li> </ul>   | Seasons: Autumn, Spring, Summer, Winter, deciduous, evergreen, shoot, fruit, earth, seeds, leaves, flowers, weather types: rain, hail, snow, ice, frost, sun, showers, wind, reproduce, babies/adults, life cycles, birds, insects, cold, warm, hot, sunrise, sunset |
| Year 2     | Local Animals and Habitats                                       | <ul style="list-style-type: none"> <li>with help, use keys to identify some animals and plants</li> <li>recognise that different plants live in the local environment</li> <li>identify some local habitats</li> <li>describe the simple features of habitats</li> <li>recognise a microhabitat as a small habitat (e.g. leaf litter, woodlice under stones)</li> <li>describe some microhabitats</li> <li>recognise similarities and differences between plants and animals</li> <li>explain differences between living and non-living things in terms of characteristics such as movement and growth</li> <li>use their observations to point out differences between animals, plants and non-living things</li> <li>recognise that plants provide food for humans and other animals within an environment</li> <li>construct a simple food chain (e.g. grass, cow, human)</li> <li>name a few of the organisms that live in a particular habitat</li> <li>suggest reasons why different plants and animals are found in the different environments</li> </ul>   | dead, alive, living, non-living, habitats, keys, breathe, grow, eat, have babies, move, sense, go to the toilet, habitat, microhabitat, food chain   |
| Year 3     |  | Not covered in this year group   |  |
| Year 4     | Animals and Habitats around the World<br><br>Classifying Animals | <ul style="list-style-type: none"> <li>explore ways of grouping living things including animals and plants (flowering and non-flowering)</li> <li>recognise that animals can be grouped into vertebrates and invertebrates</li> <li>describe some of the characteristics of the vertebrate (fish, mammals, amphibians, reptiles and birds) groups (e.g. warm-blooded, have fur, lay eggs)</li> <li>group animals into vertebrate (fish, mammals, amphibians, reptiles and birds) and invertebrates groups (snails, slugs, spiders, worms and insects)</li> <li>identify that some animals feed on other animals and some on plants</li> <li>represent feeding relationships with simple food chains</li> <li>recognise that a food chain must always start with a green plant (a producer)</li> <li>represent feeding relationships within a habitat with food chains beginning with a green plant which 'produces' food for the other organisms</li> <li>recognise that green plants are the ultimate source of food for all animals</li> <li>use and understand the terms: producer, predator and prey</li> <li>know the function of some of the more complex features which aid survival in specific habitats (e.g. gills, blubber, camouflage)</li> <li>describe why different animals and plants live in different habitats</li> <li>describe how humans can cause changes to environments</li> <li>explain that different organisms are found in different habitats because of differences in environmental factors</li> </ul> | river, ocean, desert, arctic, rainforest, mountain, farmland, wood, dry, wet, vegetation, shelter, vertebrate, invertebrate, classify, characteristic, flowering plant, non-flowering plant (fern, moss)   |
| Year 5     | Life Cycles and Environments                                     | <ul style="list-style-type: none"> <li>sequence the life cycles of a variety of plants and animals</li> <li>recognise the similarities in the life cycles of plants, animals and humans</li> <li>name the parts of a flower</li> <li>describe the functions of some parts of a flower</li> <li>describe the main functions of parts of a plant involved in reproduction</li> <li>describe the processes of sexual and asexual reproduction in plants</li> <li>name the parts of the human reproductive system</li> <li>describe the simple functions of parts of the human reproductive system</li> <li>compare methods of seed dispersal</li> <li>know that most animals reproduce by sexual reproduction</li> </ul>  | Live young, hatch, tadpole, caterpillar, butterfly, ladybird, pupae, larvae, chrysalis, reproduction, asexual, sexual, life cycle, pollination, seed dispersal, pollen, stamen, stigma   |
| Year 6     | Classifying Living Things<br><br>Micro-organisms                 | <ul style="list-style-type: none"> <li>recognise that there is a wide variety of living things</li> <li>understand why classification is important</li> <li>identify vertebrates and invertebrates</li> <li>name and describe the five vertebrate groups</li> <li><i>devise own keys to classify organisms and objects</i></li> <li><i>describe early ideas about classification (e.g. Aristotle)</i></li> <li>understand there are living things that are too small to be seen and these can affect our lives</li> <li>recognise that there are many micro-organisms, some which can cause illness or decay</li> <li>recognise that there are useful micro-organisms which can be used in food production</li> <li>describe how micro-organisms feed, grow and reproduce like other organisms</li> <li>describe evidence, from investigations, that yeast is living</li> <li>explain how micro-organisms can move from one food source to another or from one animal to another</li> </ul>  | Micro-organism, microbe, fungus, bacteria, virus, classified, classification key, yeast, characteristic, microscope  |
|            | Evolution and Inheritance  | <ul style="list-style-type: none"> <li>recognise variation in different species (e.g. dogs, horses) - Variety, variation, species</li> <li>recognise that offspring have some of the features of their parents</li> <li>recognise that animals have to compete for food</li> <li>describe how animals avoid predators (e.g. speed, camouflage)</li> <li>describe how animals and plants are adapted to their environments - evolve, fossil record, gills, blubber, moulting, long neck, hooves, eyelashes, tails, generation</li> <li>explain how being well adapted to an environment means an organism is more likely to survive - evolve, fossil record, gills, blubber, moulting, long neck, hooves, eyelashes, tails, generation</li> </ul>   | Variety, variation, offspring, species, competition, adapt, adaptation, reproduce, survive, evolve, fossil record, gills, blubber, moulting, long neck, hooves, eyelashes, tails, generation   |

