

Medium Term Planning

Unit:	Living things and their habitats.
Year Groups:	EYFS, Year 2, Year 3, Year 4, Year 5, Year 6.

EYFS			
Lesson	Knowledge	Previously Taught	New Vocabulary
1	I know that polar bears have thick fur and padded feet to protect them from the weather and keep them warm . I know that polar bears are white so they can hide from other animals. I know that elephants have large ears to keep their bodies cool.		Polar bears, padded feet, thick fur, warm, white.
2	I know that an adult looks after a baby . I know that a baby grows into a child . I know that a child grows into a teenager . I know that a teenager grows into an adult .		Adult, baby, baby grows, child, teenager, adult.
3	I know that a cow and a bull have a baby called a calf . I know that a ram and a ewe have a baby called a lamb . I know that a rooster and a hen have a baby called a chick .		Cow, bull, calf, ram, ewe, lamb, rooster, hen, chick.

Year 2 - Habitats.			
Lesson	Knowledge	Previously Taught	New Vocabulary
1	I know that things that are dead were once alive. I know that things that are made of metal, wood or paper have never been alive . I know that all living things grow I know that all living things need air . I know that all living things reproduce . I know that all living things I know that all living things get rid of waste . I know that all living things feed .		Dead, never been alive, living thing grow, air, reproduce, rid of waste, feed.
2	I know that a habitat is the environment where animals or plants live.		habitat, environment, features, creatures,



	<p>I know that different habitats have different features.</p> <p>I know that different habitats provide for the needs of different creatures.</p> <p>I know that a microhabitat is the environment where small animals and plants live.</p> <p>I know that minibeasts live in microhabitats.</p> <p>I know that one of the features of a microhabitat is how dark or light it is.</p> <p>I know that one of the features of a microhabitat is how damp, wet or dry it is.</p>		microhabitat, minibeast, microhabitat, features, dark, light, damp, wet, dry.
3	<p>I know that a savannah is an example of a habitat.</p> <p>I know that a rainforest is an example of a habitat.</p> <p>I know that a tundra is an example of a habitat.</p> <p>I know that creatures are adapted for their own habitat.</p> <p>I know that habitats can be small and local but also very extensive.</p> <p>I know that a habitat is a natural place where an animal or plant lives.</p> <p>I know that a habitat provides living things with everything they need to survive.</p> <p>I know that a habitat provides living things with food, shelter and water.</p>	Habitat.	savannah, tundra, rainforest, tundra, creatures, food, shelter, water.
4	<p>I know that a food chain is made of smaller animals that are eaten by larger creatures known as predators.</p> <p>I know a food chain shows what living things need to eat in order to survive.</p> <p>I know that living things need other living things in order to survive.</p> <p>I know that food chains often start with a plant that gets its energy from the sun.</p> <p>I know that in a healthy habitat, all living things depend on each other.</p>	Habitat, living things.	food chain, predators, energy, depend.
5	<p>I know that a microhabitat is the environment where small animals and plants live.</p> <p>I know that minibeasts live in microhabitats.</p> <p>I know that different microhabitats will encourage a variety of different creatures.</p> <p>I know that one of the features of a microhabitat is how dark or light it is.</p> <p>I know that one of the features of a microhabitat is how damp, wet or dry it is.</p> <p>I know that habitats need sunlight so that plants can grow.</p>	microhabitat, environment, features, dark, light, damp, wet, dry, creatures.	Minibeasts, sunlight.
6	<p>I know that a microhabitat is the environment where small animals and plants live.</p> <p>I know that minibeasts live in microhabitats.</p> <p>I know that microhabitats can look different in different seasons.</p> <p>I know that microhabitats will get different amounts of sunlight in different seasons.</p>	microhabitat, environment, minibeast, sunlight, dark, light, wet, damp, dry.	seasons,



	<p>I know that different microhabitats will encourage a variety of different creatures.</p> <p>I know that one of the features of a microhabitat is how dark or light it is.</p> <p>I know that one of the features of a microhabitat is how damp, wet or dry it is.</p> <p>I know that habitats need sunlight so that plants can grow.</p>		
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Year 3 - Name that living thing!			
Lesson	Knowledge	Previously Taught	New Vocabulary
1	<p>I know that living things have 7 characteristics.</p> <p>I know that movement is a characteristic of living things.</p> <p>I know that reproduction is a characteristic of living things.</p> <p>I know that sensitivity is a characteristic of living things.</p> <p>I know that nutrition is a characteristic of living things.</p> <p>I know that excretion is a characteristic of living things.</p> <p>I know that respiration is a characteristic of living things.</p> <p>I know that growth is a characteristic of living things.</p>	Living things, growth.	Characteristics, movement, reproduction, sensitivity, nutrition, excretion, respiration.
2	<p>I know that habitats change during each season.</p> <p>I know that a habitat is the environment where animals and plants live.</p> <p>I know the local habitats in my area.</p> <p>I know that insects, arachnids, vertebrates and invertebrates can be found in my local habitat.</p>	Habitats, environment, animals, plants, local habitats, vertebrates, invertebrates.	Insects, arachnids.
3	<p>I know that living things can be classified based on their appearance and characteristics.</p> <p>I know that animals can be classified as vertebrates and invertebrates.</p> <p>I know that animals can be grouped together based on their similarities.</p> <p>I know that vertebrates can be split into 5 groups.</p> <p>I know that vertebrates can be split into fish, amphibians, reptile, birds and mammals.</p> <p>I know that vertebrates have a backbone.</p> <p>I know that invertebrates don't have a backbone.</p>	vertebrates, invertebrates.	appearance, classified, similarities, grouped, fish, amphibians, reptile, birds, mammals.
4	<p>I know that characteristics are the distinguishing features or qualities that are specific to a species.</p> <p>I know that a classification key helps scientists to classify living things.</p> <p>I know that living things can be grouped in lots of different ways based on their characteristics.</p>	characteristics.	species, features, classification key, classify, living things, grouped.



<p>5</p>	<p>I know that characteristics are the distinguishing features or qualities that are specific to a species. I know that living things are often classified based on features that are not seen by the naked eye. I know that living things can be grouped in lots of different ways based on their characteristics.</p>	<p>characteristics, features, species, classified, living things, grouped.</p>	
<p>6</p>	<p>I know that characteristics are the distinguishing features or qualities that are specific to a species. I know that living things can be grouped in lots of different ways based on their characteristics.</p>	<p>characteristics, features, species, living things, grouped.</p>	



Year 4 – Help our Habitats			
Lesson	Knowledge	Previously Taught	New Vocabulary
1	I know that if an environment is changed, it could pose a danger to living things in that habitat .	Environment, living things, habitat.	
2	I know that some environmental changes are natural and some are man made. I know that animals and plants adapt to protect themselves from danger . I know that plants and animals rely on their habitat to give them everything they need. I know that crocodiles open their mouths when they get too hot. I know that nocturnal animals have larger eyes to let more light in. I know that flowers close when the sun goes down.		Environmental changes, natural, adapt, protect, danger.
3	I know that living things are particularly adapted to survive in their environment . I know that if an environment changes dramatically, the living thing can no longer survive. I know that climate change is an example of an environmental change . I know that climate change results in greenhouse gases being emitted into the atmosphere. I know the effects of climate change . I know the effects of climate change include: rising temperatures, rising sea levels, flooding, droughts, extreme weather conditions and the extinction of some animals.	Living things, adapted, environment, environmental change.	climate change.
4	I know that deforestation is an example of a negative environmental change. I know that urbanisation is an example of a negative environmental change. I know that global warming is an example of a negative environmental change. I know that intensive farming is an example of a negative environmental change. I know that nature reserves are an example of a positive environmental change. I know that positive environmental changes for living things can include: wildflower planting, litter picking, helping nature reserves and recycling. I know that changes to the environment can be good or bad. I know that changes to the environment can have a positive or negative impact on the living things that live there.	Negative, positive, environmental change, living things, changes, impact.	



5	I know that changes to the environment can have a positive effect for living things .	Changes, environment, positive effect, living things.	
6	I know that changes to an environment can pose a danger to living things . I know examples of changes to environments that are dangerous to living things .	Changes, environment, danger, living things, changes.	

Year 5			
Lesson	Knowledge	Previously Taught	New Vocabulary
1	I know that the stamen consists of the anther and the filament . I know that the carpel consists of the stigma, style and ovary . I know that the pistil is a fused group of carpels . I know that flowering plants can sexually reproduce . I know that when male and female gametes fuse, it is called fertilisation . I know that germination is when a seed starts to grow into a seedling . I know that pollination is the transfer of pollen between plants.	Stamen, anther, filament, carpel, stigma, style, ovary, pistil, carpels, flowering plants, sexually reproduce, seed, seedling, pollination, pollen.	gametes, fertilisation, germination.
2	I know that plants can reproduce asexually . I know that asexual reproduction can be natural and artificial . I know that asexual reproduction is when offspring is created from one plant. I know that bulbs, tubers and runners can reproduce asexually . I know than propagation is I know that moss, fern and liverwort are examples of non-flowering plants. I know that spores in non-flowering plants are dispersed to allow the germination of new plants .	Plants, reproduce asexually, asexual reproduction, natural, artificial, offspring.	, tubers, runners, propagation, moss, fern, liverwort, non-flowering, spores, dispersed, germination.
3	I know that most animals reproduce sexually . I know that amphibians are cold blooded, smooth skinned vertebrates that can breathe both on land and water. I know that insects are arthropods have a body that is divided into a head, thorax and abdomen.	Animals reproduce sexually, amphibians, vertebrates.	insects, metamorphosis, lifecycles.



	<p>I know that both insects and amphibians undergo metamorphosis during their lifecycles.</p> <p>I know that metamorphosis is a stage in the growth of some animals in which the new form looks completely different from the old.</p> <p>I know that butterflies and frogs go through metamorphosis.</p> <p>I know that butterflies, frogs and ladybirds are examples of animals that reproduce sexually.</p>		
4	<p>I know that a mammal is an animal with mammary glands that produces milk to feed its young.</p> <p>I know that mammals reproduce by sexual reproduction.</p> <p>I know that a foetus is formed when a sperm and egg fuse together.</p> <p>I know that the period of time when a foetus grows in its mother's uterus is called the gestation period.</p> <p>I know that birds lay eggs that hatch into chicks.</p> <p>I know that some birds migrate in flocks due to seasonal changes but return to their breeding grounds annually.</p>	Mammal, sexual reproduction, foetus, sperm, egg, uterus, gestation period, birds, eggs, chicks.	mammary glands, migrate.
5	<p>I know that dolphins and polar bears are mammals with slightly different life cycles.</p> <p>I know that penguins and kiwi birds are birds with slightly different life cycles.</p> <p>I know that salamanders and caecilians are amphibians with slightly different life cycles.</p> <p>I know that mosquitos and dung beetles are insects with slightly different life cycles.</p> <p>I know that lotus plants and coco de Mer plants are plants with different life cycles.</p>	Mammals, life cycle, amphibians, insects, plants.	
6	<p>I know that natural scientists studies natural history by observation.</p> <p>I know that by studying plants and animals, we can help endangered species.</p> <p>I know that by studying plants and animals, we understand why particular habitats are important for the survival of species.</p> <p>I know that by increasing our knowledge of living things, we can improve conservation and look after endangered species and the environment better.</p>	Habitats, survival.	Endangered, conservation



Year 6			
Lesson	Knowledge	Previously Taught	New Vocabulary
1	<p>I know that living things are sorted into 5 kingdoms.</p> <p>I know that to classify means to sort things into different groups.</p> <p>I know that the 5 different kingdoms are: Animal, plant, Protists, Fungi and Montera.</p> <p>I know that Carl Linnaeus created a classification system with 5 levels in it.</p> <p>I know that there are more than 30 phylum in the Animal Kingdom.</p> <p>I know that Phylum Chordata includes humans, birds, fish and all other vertebrates.</p> <p>I know that Phylum are divided into classes.</p> <p>I know that Phylum Chordata is divided into the classes: mammals, birds, amphibians, reptiles and fish.</p> <p>I know that a family is the way Scientists group animals together</p> <p>I know that a genus is when two or more species are considered to be closely related</p> <p>The genus is the first part of the scientific name of a species.</p> <p>I know that a species is a group of individuals that breed together to produce fertile offspring.</p>	animal, plant.	Kingdoms, classify, different, protists, fungi, montera, Linnaeus, phylum, Phylum Chordata, family, genus, species.
2	<p>I know that living things are classified into 5 kingdoms.</p> <p>I know that to classify means to sort things into different groups.</p> <p>I know that the 5 different kingdoms are: Animal, plant, Protists, Fungi and Montera.</p> <p>I know that Carl Linnaeus created a classification system with 5 levels in it.</p> <p>I know that there are more than 30 phylum in the Animal Kingdom.</p> <p>I know that Phylum Chordata includes humans, birds, fish and all other vertebrates.</p> <p>I know that Phylum are divided into classes.</p> <p>I know that Phylum Chordata is divided into the classes: mammals, birds, amphibians, reptiles and fish.</p> <p>I know that a family is the way Scientists group animals together</p> <p>I know that a genus is when two or more species are considered to be closely related</p> <p>The genus is the first part of the scientific name of a species.</p> <p>I know that a species is a group of individuals that breed together to produce fertile offspring.</p>	Kingdoms, classify, different, animal, plant, protists, fungi, montera, Linnaeus, phylum, Phylum Chordata, family, genus, species.	



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4	<p>I know that leaves can be classified using a classification key.</p>		<p>Leaves, classification key.</p>
5	<p>I know that names of animals are often derives from a key characteristic or the name of the person who has discovered it.</p> <p>I know that living things have specific characteristics that they are classified by.</p> <p>I know that taxonomy is the process of classifying animals.</p>	<p>Characteristics, classified.</p>	<p>Taxonomy.</p>
6	<p>I know that to classify means to sort things into different groups.</p> <p>I know that Carl Linnaeus created a classification system with 5 levels in it.</p> <p>I know that there are more than 30 phylum in the Animal Kingdom.</p> <p>I know that Phylum Chordata includes humans, birds, fish and all other vertebrates.</p> <p>I know that Phylum are divided into classes.</p> <p>I know that a family is the way Scientists group animals together</p> <p>I know that a genus is when two or more species are considered to be closely related</p> <p>I know that a species is a group of individuals that breed together to produce fertile offspring.</p>	<p>Classify, different, Linnaeus, phylum, kingdom, Phylum Chordata, classes, family, genus, species.</p>	



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