Science Knowledge Progression Overview

Coverage	F1	F2	Yr 1	Yr 2	Yr 2 Exceeding
and					
Progression Working	I can show curiosity and ask	I can show curiosity and ask	I know how to ask simple	I know how to ask simple	I know how to ask
Scientifically	questions. While playing and exploring, the children demonstrate their curiosity. While playing and exploring, with suppot the children begin to ask 'I wonder' questions. With support, the children think of ideas for answering their questions.	questions. While playing and exploring, the children begin to ask 'I wonder' questions. With support, the children develop their ideas for answering their questions.	questions and recognise that they can be answerd in different ways. I know how to ask and answer a simple question. With support I am beginning to generate questions for further equiry. I know how to plan to use the resources provided to answer questions using different types of	questions and recognise that they can be answerd in different ways. I am generating questions for further equiry with increasing independence. I know how to plan to use the resources provided to answer questions using different types	questions and can answer them in different ways. I can generste my own question for further enquiry independently. I know how to plan to use the resources provided to answer questions using
	I can make observations using my senses and simple equipment. I can make direct comparisons. I can identify, sort and group. With support the children explore the natural and made world using their senses. With support the children use magnifying glasses to make observations.	I can make observations using my senses and simple equipment. I can make direct comparisons. I can identify, sort and group. Children explore the natural and made	I know how to observe closely, using simple equipment. I know how make careful observations to support identification, comparison and noticing change. I know how to use a magnifying glass to make detailed observations.	of scientific enquiry with increasing independence. I know how to observe closely, using simple equipment. I know how to use a	different types of scientific enquiry independently.
	The children explore using beakers/scoops etc Children make simple comparisons between objects and quantities. While playing and exploring, the children select and use resources for a particular task.	world using their senses. The children use magnifying glasses to make observations. The children use smaller pieces of equipment such as syringes and pipettes. With support, make comparisons,	I know how to measure by comparing and using non-standard units. I know how to measure using standard units with support. I know how to perform a simple test with support.	microscope. I know how to measure by comparing and using standard units. I know how to perform a simple test.	I know how to observe closely, using simple equipment. I can make detailed observations. I can measure and compare accurately.
	With support, the children sort and group objects. I can record my observations by drawing, taking photographs and using sorting rings. With support, the children talk about what they have observed. They sometimes draw and make marks to	using hands and feet and other non- standard measures e.g. building blocks and beakers. While playing and exploring, the children, try out using resources to answer a question. The children test things out to make comparisons e.g. Does the red car go further than the blue car? They identify and name objects by matching them	I know how to use the resources provided to gather evidence to answer questions with support. I know how to identify and classify. I know how to use my observations and testing to compare objects, materials and living things. I know how to sort and group objects,	I know how to use the resources provided to gather evidence to answer questions with increasing independence. I know how to identify and classify. I know how to use my observations and testing to	I know how to perform a simple test. I know how to use resources to gather evidence to answer questions and give explanations.
	record their observations. With support, they use sorting rings. I can use my observations to help me answer my questions. With support, the children demonstrate and talk about what they have done and noticed. With support, the children notice how they	with pictures. The children sort and group objects, sometimes using their own criteria. I can record my observations by drawing, taking photographs and using sorting rings. I can record by using a simple tick sheet.	materials and living things using identifed criteria. I am beginning to use my own criteria for sorting. I know how to use simple secondary sources to name living thigns with support. I can describe the characteristics I used to identify a living thing with	compare objects, materials and living things. I know how to sort and group objects, materials and living things using identifed criteria. I can identify and use my own criteria for sorting. I know how to use simple secondary sources to name	I know how to identify and classify. I know how to use secondary sources independently. I can give detailed reasons for and explain my own criteria for sorting and classifying drawing upon
	made a difference to an outcome, and answer the question, where appropriate. With support, the children make comparisons between objects	The children, sometimes, draw and write simple labels to record their observations. With support, they record their observations and comparisons e.g. using simple prepared tables, taking photographs, using sorting rings.	I know how to record and present evidence. I can gather and record data to help in answering questions with support. I know how to record my observations in different ways such as drawing,	living thigns with increasing independence. I can describe the characteristics I used to identify a living thing in greater detail and with increasing independence.	I know how to record and present evidence. I can suggest appropriate ways to record and present

		I can use my observations to help me answer my questions. The children talk about what they have observed. The children demonstrate and talk about what they have found out. They, sometimes, talk about what they have found out from secondary sources, including non-fiction texts. The children notice and talk about how they made a difference to an outcome The children make direct comparisons or use their recorded observations to communicate what they have found out and answer the question, where appropriate.	labelled diagrams or writing with support. I know how to record measurements and observations with support using prepared tables, pictograms, tally charts and block graphs. I know how to classify using simple prepared tables and sorting rings with support. I can answer questions and draw simple conclusions. I can use my observations and ideas to suggest answers to questions. I can relate my answers to the evidence I have gathered with support. I can use my data to recognise biggest/smallest, best/worst with support.	I know how to record and present evidence. I can gather and record data to help in answering questions with increasing independence. I can suggest a suitable way to record my observations such as drawing, labelled diagrams or writing. I know how to record measurements and observations with increasing independece using prepared tables, pictograms, tally charts and block graphs. I know how to classify using simple prepared tables and sorting rings with increasing independence. I can answer questions and draw conclusions. I can use my observations and ideas to suggest appropriate answers to questions. I can relate my answers to the evidence I have gathered with increasing independence. I can use my data to recognise biggest/smallest, best/worst with increasing independence.	evidence and data such as drawing, labelled diagrams writing, tables, block graphs etc. I know how to create my own charts, tables, block graphs, pictograms etc. I can answer questions and draw conclusions. I can give detailed reasons and explainations, drawing on my own knowledge, when answering questions and making conclusions.
Vocab Working scientifically	Science, scientist, investigate, find out, I see, I notice, I wonder look closely, observe, watch, touch, feel, smell, listen, same, different, compare, ask questions, record, sort, group, change, magnifying glass pipette, syringe,	Science, scientist, investigate, find out, I see, I notice, I wonder change, measure, record, draw, label, tick, magnifying glass, name, predict, pipette, syringe, look closely, observe, watch, touch, feel, smell, listen, same, different, compare, ask questions, record, sort, group	Science, scientist, investigate, find out, I see, I notice, I wonder observe, changes, patterns, grouping, sorting, compare, same, different, identify (name), measure, data, record results, drawing, picture, table, tally chart, present, pictogram, block chart, Venn diagram, ask questions, test, explore, equipment, resources, magnifying glass, hand lens, ruler, tape measure, metre stick, pipette, syringe, spoon, teaspoon, answer questions, interpret results, scientific enquiry, pattern seeking, comparative testing, observing over time, classifying, researching using secondary sources	Science, scientist, investigate, find observe, changes, patterns, group different, identify (name), measured drawing, picture, table, tally chart, chart, Venn diagram, ask question resources, magnifying glass, hand metre stick, pipette, syringe, spoor questions, interpret results, scientic comparative testing, observing ow researching using secondary sour	ing, sorting, compare, same, e, data, record results, present, pictogram, block is, test, explore, equipment, I lens, ruler, tape measure, n, teaspoon, answer ific enquiry, pattern seeking, er time, classifying,
Curriculum	EYI	 FS		NC	
link	Characteristics of Effective Teaching an • playing and exploring – children investig go'	d Learning	These opportunities for working scientif expectations in the programme of study cover each aspect for every area of stu	ically should be provided across year can be met by the end of year 2. Po	rs 1 and 2 so that the upils are not expected to

Working scientifically

- active learning children concentrate and keep on trying if they encounter difficulties, and enjoy achievements
- creating and thinking critically children have and develop their own ideas, make links between ideas, and develop strategies for doing things ELGs

Listening, Attention and Understanding ELG

Listen attentively and respond to what they hear with relevant questions, comments and actions when being read to and during whole class discussions and small group interactions:

Make comments about what they have heard and ask questions to clarify their understanding:

Hold conversation when engaged in back-and-forth exchanges with their teacher and peers.

Speaking ELG

Participate in small group, class and one-to-one discussions, offering their own ideas, using recently introduced vocabulary;

Offer explanations for why things might happen, making use of recently introduced vocabulary from stories, non-fiction, rhymes and poems when appropriate; Express their ideas and feelings about their experiences using full sentences, including use of past, present, and future tenses and making use of conjunctions, with modelling and support from their teacher.

Pupils in years 1 and 2 should explore the world around them and raise their own questions. They should experience different types of scientific enquiries, including practical activities, and begin to recognise ways in which they might answer scientific questions. They should use simple features to compare objects, materials and living things and, with help, decide how to sort and group them, observe changes over time, and, with guidance, they should begin to notice patterns and relationships. They should ask people questions and use simple secondary sources to find answers. They should use simple measurements and equipment (for example, hand lenses, egg timers) to gather data, carry out simple tests, record simple data, and talk about what they have found out and how they found it out. With help, they should record and communicate their findings in a range of ways and begin to use simple scientific language.

Coverage	F1	F2	Yr 1	Yr	2	Yr 2 Exceeding
and						
Animals including humans Key skills Biology	I can use all my senses in hands-on exploration of natural materials indoors and outside. I am begining to notice differences between people. I can name some animals. I am beginning to understand the key features of the life cycle of a plant and an animal. I can name some animals. I am beginning to understand the need to respect and care for the natural environment and all living things.	I can talk about members of my immediate family and community. I can name and describe people who are familiar to me. I can make connections between the features of my family and other families. I can recognise some environments that are different to the one in which I live. I can name some animals and know what the offspring are called. I can understand key features of the life cycle of a plant and an animal.	I know how to identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals. I know how to identify and name a variety of common animals that are carnivores, herbivores and omnivores. I know how to describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets). I know how to identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.	I know that anima humans, have off grow into adults. I know how to find describe the basic animals, including survival (water, for I know and can do importance for hu exercise, eating the amounts of different food, and hygieness.	spring which d out about and c needs of g humans, for ood and air). escribe the mans of ne right ent types of	I can explain why the basic needs of animals including humans are important for survival.
Vocab Animals including humans	egg, chick, bird, caterpillar, cocoon, chrysalis, butterfly, frog spawn, tadpole, froglet, frog, grow, change, die, names of animals and their young, fur, feathers, scales, tail, wings, beak, claws, paws, hooves, swim, walk, run, jump, fly, patterns, spots, stripes, grow, change, baby, toddler, child, adult, old person, smell, taste, touch, feel, hear, see,	names of animals, live, on land, in water, jungle, desert, North Pole, South Pole, sea, hot, cold, wet, dry, snow, ice, hair (e.g. black, brown, dark, light, blonde, ginger, grey, white, long, short, straight, curly), eyes (e.g. blue, brown, green, grey), skin (e.g. black, brown, white), big/tall, small/short, bigger/smaller, baby, toddler, child, adult, old person, old, young, brother, sister, mother, father, aunt, uncle, grandmother, grandfather, cousin, friend, family, boy, girl, man, woman	head, body, eyes, ears, mouth, teeth, leg, tail, wing, claw, fin, scales, feathers, fur, beak, paws, hooves, names of animals from each vertebrate group, parts of the body, senses, touch, see, smell, taste, hear, fingers, skin, eyes, nose, ear, tongue	offspring, reproduction, growth, baby, toddler, child, teenager, adult, old person, names of animals and their babies (e.g. chick/hen, kitten/cat, caterpillar/butterfly), survive, survival, water food, air, exercise, heartbeat, breathing, hygiene, germs, disease, food types (e.g. meat, fish, vegetables, bread, rice, pasta, dairy)		their babies (e.g. chick/hen, vive, survival, water food, air, giene, germs, disease, food types
Curriculum	EY			NO	3	
link	 Characteristics of Effective Teaching and Learning playing and exploring – children investigate and experience things, and 'have a go' active learning – children concentrate and keep on trying if they encounter difficulties, and enjoy achievements creating and thinking critically – children have and develop their own ideas, make links between ideas, and develop strategies for doing things. ELGs Managing Self ELG Manage their own basic hygiene and personal needs, including dressing, going to the toilet, and understanding the importance of healthy food choices. Gross Motor Skills ELG Move energetically, such as running, jumping, dancing, hopping, skipping and climbing. The Natural World ELG Explore the natural world around them, making observations and drawing pictures of animals and plants; 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; 		the year to explore and answer que animals in their habitat. They shou how to take care of animals taken to environment and the need to return after study. Pupils might work sc using their observations to compar animals at first hand or through vid photographs, describing how they	their habitat. They should understand e care of animals taken from their local and the need to return them safely. Pupils might work scientifically by: observations to compare and contrast first hand or through videos and hs, describing how they identify and n; grouping animals according to what and using their senses to compare They should also be introduced to the reproduction and growth in animals. The this stage should be on questions that to recognise growth; they should not be to understand how reproduction occurs. The following examples might be used chicken; egg, caterpillar, pupa, butterfly tadpole, frog; lamb, sheep. Growing intinclude reference to baby, toddler, child adult. Pupils might work scientificall observing, through video or first-hand of the production and growth in animals. The this stage should be on questions that to recognise growth; they should not be to understand how reproduction occurs the following examples might be used chicken; egg, caterpillar, pupa, butterfly tadpole, frog; lamb, sheep. Growing into include reference to baby, toddler, child also be introduced to the propoduction and growth in animals. The third stage should be on questions that to recognise growth; they should not be to understand how reproduction occurs the propoduction and growth in animals. The production and growth in animals.		d growth in animals. The focus at d be on questions that help pupils wth; they should not be expected ow reproduction occurs. camples might be used: egg, chick, terpillar, pupa, butterfly; spawn, mb, sheep. Growing into adults can e to baby, toddler, child, teenager, ght work scientifically by: gh video or first-hand observation int, how different animals, including asking questions about what things r survival and what humans need and suggesting ways to find

Understand some important processes and changes in the natural world around	
them, including the seasons and changing states of matter.	

Coverage	F1	F2	Yr 1	•	Yr 2	Yr 2 Exceeding
and Progression						
Plants Key skills Biology	I can plant seeds and care for growing plants with support. I am beginning to understand the key features of the life cycle of a plant and an animal. I am beginning to understand the need to respect and care for the natural environment and all living things.	I can explore the natural world around me I can describe what I see, hear and feel whilst outside. I can recognise some environments that are different to the one in which I live. I understand the effect of changing seasons on the natural world around them.	the basic structure of a variety of common flowering plants, including trees. light and a suitab to grow and stay I know and can ic name a variety of animals in their h including microha		seeds and bulbs ure plants. n find out and plants need water, table temperature tay healthy. n identify and y of plants and ir habitats,	I can describe the function of different parts of a flowering plant.
Vocab Plants	plant, leaf, stem, branch, root, bark, flower, petal, seed, berry, fruit, vegetable, bulb, plant, hole, dig, water, weed, grow, shoot, die, dead, soil, names of plants they grow	tree, bush, herb, names of plants they see	leaf, flower, blossom, petal, fruit, berry, root, seed, trunk, branch, stem, bark, stalk, bud Names of trees in the bulb, germinate,		grow, healthy, te, shoot, seedling its in local habitats	
Curriculum		YFS		N	С	
link	Characteristics of Effective Teachin • playing and exploring – children invand 'have a go' • active learning – children concentra encounter difficulties, and enjoy achiev • creating and thinking critically – clideas, make links between ideas, and ELGs The Natural World ELG Explore the natural world around them pictures of animals and plants; Know some similarities and difference and contrasting environments, drawing been read in class; Understand some important processes around them, including the seasons ar	restigate and experience things, te and keep on trying if they rements hildren have and develop their own develop strategies for doing things. In making observations and drawing to be between the natural world around them to on their experiences and what has to and changes in the natural world	Pupils should use the local environmen the year to explore and answer question plants growing in their habitat. Where p should observe the growth of flowers are that they have planted. Pupils might w scientifically by: observing closely, pe magnifying glasses, and comparing and familiar plants; describing how they were identify and group them, and drawing dishowing the parts of different plants inc. Pupils might keep records of how plants changed over time, for example the lear trees and buds opening; and compare a what they have found out about different	ns about ossible, they nd vegetables ork rhaps using d contrasting e able to diagrams luding trees. In the shape we falling off and contrast	the year to observe should be introduc germination, growt processes of repro Seeds and bulbs n need light; seeds a inside them. Pupil observing and reco growth of a variety from a seed or bull different stages of	the local environment throughout the how different plants grow. Pupils ed to the requirements of plants for the and survival, as well as to the eduction and growth in plants. Note: need water to grow but most do not and bulbs have a store of food the simple may be seen as might work scientifically by: ording, with some accuracy, the of plants as they change over time to, or observing similar plants at growth; setting up a comparative lants need light and water to stay

Coverage	F1	F2	Yr 1	Yr 2	Yr 2 Exceeding
and					
Progression					

Everyday Materials Key skills Chemistry	I can use all my senses in hands-on exploration of natural and man made materials. I can explore collections of materials with similar and/or different properties. I can talk about the differences between materials and changes I notice Explore and talk about different forces they can feel.	I can explore the natural world around me. I can describe what I see, hear and feel whilst outside. I can explore, investigate and use a variety of different materials for a given purpose/context or that of my own choosing. I can manipulate materials with increasing control. I can select the appropriate resources I need.	I know and can distinguish between an object and the material from which it is made. I know and can identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock. I know and can describe the simple physical properties of a variety of everyday materials. I know and can compare and group together a variety of everyday materials on the basis of their simple physical properties.	suitability of a veryday mate wood, metal, p rock, paper and particular uses I can find out h solid objects m materials can b	rials, including lastic, glass, brick, d cardboard for . ow the shapes of lade from some	I know that a material comes in different forms and has different properties.
Vocab Everyday Materials	mix, stir, cook, hot, oven, microwave, change, burn, melt, hard, runny, set, freeze, freezer, cold, blended, hard, soft, bendy, stiff, wobbly, wood, plastic, paper, card, fabric, force magnet, push, pull, forwards, backwards	ce, water, frozen, icicle, snow, melt, wet, cold, slippery, smooth, big, bigger, biggest, smaller, smaller, smallest, hard, soft, bendy, rigid, wood, plastic, paper, card, metal, strong, weak, hot, apply heat, waterproof, soggy, not waterproof, best, change, change back	object, material, wood, plastic, glass, metal, water, rock, brick, paper, fabric, elastic, foil, card/cardboard, rubber, wool, clay, hard, soft, stretchy, stiff, bendy, floppy, waterproof, absorbent, breaks/tears, rough, smooth, shiny, dull, see-through, not see-through, tansparent, opaque, flexible	cardboard properties of m translucent, ref	aterials – as for Yea lective, non-reflectiv	twist/twisting, squash/squashing,
Curriculum link	EYFS Characteristics of Effective Teaching and Learning • playing and exploring – children investigate and experience things, and 'have a go' • active learning – children concentrate and keep on trying if they encounter difficulties, and enjoy achievements • creating and thinking critically – children have and develop their own ideas, make links between ideas, and develop strategies for doing things. ELGS The Natural World ELG Explore the natural world around them, making observations and drawing pictures of animals and plants; Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has		Pupils should explore, name, discuss a answer questions about everyday mate they become familiar with the names of properties such as: hard/soft; stretchy/s rough/smooth; bendy/not bendy; waterpwaterproof; absorbent/not absorbent; opaque/transparent. Pupils explore and experiment with a wide var materials, including for example: brick, elastic, foil. Pupils might work scienti performing simple tests to explore quee example: "What is the best material forfor lining a dog basket?for curtains bookshelf?for a gymnast's leotard?"	rials so that materials and stiff; shiny/dull; proof/not should iety of paper, fabrics, fically by: stions, for an umbrella?	Pupils should ident different everyday familiar with how so than one thing (me cars and table legs floors, and telegrar used for the same plastic, wood, meta They should think at that make them su purposes and they about unusual and materials. Pupils make developed us John Dunlop, Char Pupils might work uses of everyday mith materials foun journey to school, and songs); observed.	tify and discuss the uses of materials so that they become ome materials are used for more stal can be used for coins, cans, s; wood can be used for matches, oh poles) or different materials are thing (spoons can be made from al, but not normally from glass). about the properties of materials itable or unsuitable for particular should be encouraged to think creative uses for everyday night find out about people who seful new materials, for example ries Macintosh or John McAdam. It scientifically by: comparing the naterials in and around the school id in other places (at home, the on visits, and in stories, rhymes ving closely, identifying and sof different materials, and iervations.

Coverage	F1	F2	Yr 1	Yr 2	Yr 2 Exceeding
and					
Progression					

Seasonal Changes EYFS AND YEAR 1 ONLY Key skills Physics	I can use all my senses in hands-on exploration of natural materials. I am beginning to understand the key features of the life cycle of plant and an animal. I can identify and name different types of weather. I am beginning to understand how the weather affects how I feel, what I wear and what I do. I can talk about the natural changes of plants and the weather I notice outside with support. I am beginning to become aware of the changing seasons.	I can explore the natural world around me. I can describe what they see, hear and feel whilst outside. I can understand the effect of changing seasons on the natural world around me. I am beginning to name the seasons. I can compare and talk about contrasting seasons with support. I can talk about and compare contrasting weather with support.	I can observe changes across the four seasons. I can observe and describe weather associated with the seasons and how day length varies. I can discuss the changes in the seasons and the weather. I can discuss and describe the affect that the changing seasons have on plants and animals.	N/A	N/A
Vocab Seasonal Changes	Sun, rain, clouds, spring, summer, autumn, winter, hot, cold grow, shoot, die, dead (Nursery - Plants) egg, chick, bird, caterpillar, cocoon, chrysalis, butterfly, frog spawn, tadpole, froglet, frog, grow, change, die, names of animals and their young (Nursery - Animals, excluding humans)	spring, summer, autumn, winter, seasons, sunny, cloudy, hot, warm, cold, shower, raining, storm, thunder, lightning, hail, sleet, snow, icy, frost, puddles, windy, rainbow, animals, young, plants, flowers	weather, sunny, rainy, raining, shower, windy, snowy, cloudy, hot, warm, cold, storm, thunder, lightning, hail, sleet, snow, icy, frost, puddles, rainbow, seasons, winter, summer, spring, autumn, Sun, sunrise, sunset, day length,temperature, celcius		
Curriculum link	Characteristics of Effective Teachin. • playing and exploring – children invand 'have a go' • active learning – children concentratencounter difficulties, and enjoy achiev. • creating and thinking critically – chideas, make links between ideas, and ELGs The Natural World ELG Explore the natural world around them pictures of animals and plants;	te and keep on trying if they rements hildren have and develop their own develop strategies for doing things. In making observations and drawing to be between the natural world around them on their experiences and what has and changes in the natural world	Pupils should observe and talk about conveather and the seasons. Note: Pupils warned that it is not safe to look directly even when wearing dark glasses. Pupils scientifically by: making tables and conveather; and making displays of what howorld around them, including day length seasons change.	should be / at the Sun, Is might work harts about the happens in the	

Coverage	F1	F2	Yr 1	Yr 2	Yr 2
and					Exceeding
Progression					

Living Things and Habitats YEAR 2 ONLY Key skills Biology	I can use my senses in hands-on exploration of natural materials. I am beginning to understand the need to respect and care for the natural environment and all living things. I can name some animals that live outside such as farm animals, animals from hot/ cold countries and animals that live in water. I can talk about animals I might find such as worms, ladybirds, snails, caterpillers and spiders. I can identify a flower and a tree outside.	I can explore the natural world around me. I can describe what they see, hear and feel whilst outside. I can recognise some environments that are different to the one in which they live. I know where different animals animals live. I know where to look for animals such as spiders, snails, worms and ladybirds. I know that plants grow outside (and inside)	Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees. (Y1 - Plants) Identify and describe the basic structure of a variety of common flowering plants, including trees. (Y1 - Plants) Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals. (Y1 - Animals including humans) Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets). (Y1 - Animals, including pets). (Y1 - Animals, including humans) Observe changes across the four seasons. (Y1 - Seasonal change) differences between things that are living, dead, and things that have never been alive. I know and can identify that most living things live in habitats to which they are suited and describe how different kinds of animals and plants, and how they depend on each other. I know and can identify and name a variety of plants and animals in their habitats, including microhabitats. I know and can identify that most living things live in habitats to which they are suited and describe how different kinds of animals and plants, and how they depend on each other. I know and can identify that most living things live in habitats to which they are suited and describe how different kinds of animals and plants, and how they depend on each other. I know and can identify that most living things and things that have never been alive. I know and can identify and name a variety of plants, and how they depend on each other. I know and can identify that most living things and things that have never been alive. I know and can identify and name a variety of plants, and how they depend on each other. I know and can identify that most living things and the plants, and how they depend on each other. I know and can identify and name a variety of plants, and how they depend on each other. I know and can identify and name a variety of plants, and how they depend on each other. I know and can identify that most living the sa			I can explain the impact that a changing environment would have on plants and animals. I can explain the impact of an animal or plant becoming unavailable in a food chain.	
Vocab Living Things and Habitats	natural, plant, animal, leaves, seeds, conkers, acorns, twigs, bark, shells, feathers, pebbles, stones, same, different, pattern plant, leaf, stem, branch, root, bark, flower, petal, seed, berry, fruit, vegetable, bulb, plant, hole, dig, water, weed, grow, shoot, die, dead, soil	plant, tree, bush, flower, vegetable, herb, weed, animal, names of plants and animals they see, name of a contrasting environment (e.g. beach, forest)	names of garden and wild flowering plants in the local area (Y1 - Plants) head, body, eyes, ears, mouth, teeth, leg, tail, wing, claw, fin, scales, feathers, fur, beak, paws, hooves, names of animals experienced first-hand from each vertebrate group (Y1 - Animals, including humans) weather, sunny, rainy, raining, shower, windy, snowy, cloudy, hot, warm, cold, storm, thunder, lightning, hail, sleet, snow, icy, frost, puddles, rainbow, seasons, winter, summer, spring, autumn, Sun, sunrise, sunset, day length (Y1 - Seasonal changes)		mouth, teeth, leg, tail, wing, rs, fur, beak, paws, hooves, rienced first-hand from each Animals, including humans) raining, shower, windy, m, cold, storm, thunder, ow, icy, frost, puddles, er, summer, spring, autumn,	living, dead, never been alive, suited, suitable, ba food chain, shelter, move, feed, water, air, survivi of local habitats (e.g. pond, woodland etc.), name (e.g. under logs, in bushes etc.), conditions, light sunny, wet, damp, dry, hot, cold, names of living habitats and micro-habitats studied	e, survival, names es of micro-habitats , dark, shady,
Curriculum	EYFS					NC	
link	Characteristics of Effective Teachin • playing and exploring – children ingo' • active learning – children concentra encounter difficulties, and enjoy achie • creating and thinking critically – c make links between ideas, and develo ELGs The Natural World ELG	vestigate and experience thing the street and keep on trying if they werents hildren have and develop the	eir own ideas,	Y! N/A	essential for keeping them al them to become familiar with be introduced to the terms 'ha animals') and 'micro-habitat' (leaf litter). They should raise identify and study a variety of depend on each other, for ex	to the idea that all living things have certain charact ive and healthy. They should raise and answer que the life processes that are common to all living thir abitat' (a natural environment or home of a variety of a very small habitat, for example for woodlice under and answer questions about the local environment of plants and animals within their habitat and observing and animals serving as a source of food and shell als in familiar habitats with animals found in less far	estions that help ngs. Pupils should of plants and er stones, logs or that help them to e how living things ter for animals.

example, on the seashore, in woodland, in the ocean, in the rainforest. Pupils might work

conditions affect the number and type(s) of plants and animals that live there.

scientifically by: sorting and classifying things according to whether they are living, dead or were

in winter?' and talk about ways of answering their questions. They could construct a simple food chain that includes humans (e.g. grass, cow, human). They could describe the conditions in

where to place things, exploring questions for example: 'Is a flame alive? Is a deciduous tree dead

different habitats and micro-habitats (under log, on stony path, under bushes) and find out how the

never alive, and recording their findings using charts. They should describe how they decided

of animals and plants;

Explore the natural world around them, making observations and drawing pictures

Know some similarities and differences between the natural world around them

and contrasting environments, drawing on their experiences and what has been

Understand some important processes and changes in the natural world around

them, including the seasons and changing states of matter.