

Nursery		Development od, drink, activity and toothbrus nexploration of natural materials	-		
			inimal. • Begin to understand the ne		
Reception (ELG)	things. • Explore and talk about different forces they can feel. • Talk about the differences between materials and changes they notice. Communication and Language- Listening, Attention and Understanding • Make comments about what they have heard and ask questions to clarify their understanding. Personal, Social and Emotional Development- Managing Self • Manage their own basic hygiene and personal needs, including dressing, going to the toilet and understanding the importance of healthy food choices. Understanding the World- The Natural World • 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. • Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.				
	and changes in the natural world	=	= -		u some important processes
Area of	and changes in the natural world Plants	=	sons and changing states of matter.	Materials	Seasonal Changes
Area of Science		around them, including the seas	= -		



	Begin to understand the effect their behaviour can have on the environment.	different to the one in which they live.	Recognise some environments that are different to the one in which they live Explore the natural world around them.		Develop an understanding of growth, decay and changes over time. Show care and concern for living things and the environment.
Reception	Our Beautiful Planet Plant Structure and Function To know the name for the basic plant parts (leaves, flowers, stem and roots.) To know the names of some familiar flowering plants (e.g. daisy, rose, sunflower, daffodil).* Plant Growth and Needs To know plants are alive. To know that seeds need water to grow. Plant Life Cycle To know that seeds grow into plants if taken care of.	Animal Adventures Animal Growth To know the names of familiar animals (e.g. farm animals, pets and animals seen in storybooks.) Animal Structure & Function To know the main body parts of common animals (number of legs, wings, fur, tail). Health and Nutrition To know that animals need food.	Animal Adventures Characteristics of living things To know that animals and plants move, grow and feed. To know the difference between things that are living and things that are non-living. To know that some animals hibernate or store food in winter.* Variation and Inheritance To know the names of familiar animals (e.g. farm animals, pets and animals seen in storybooks.)* To know the names of some familiar flowering plants (e.g. daisy, rose, sunflower, daffodil).* Habitats and Interdependence To know that plants and animals live in a range of different places. To name some different places where animals live on the school site.	I am a Scientist Identifying and Naming None Properties and Uses To know objects float or sink. Change To know some objects move when pushed or pulled. To know some objects freeze or melt.	Changing Seasons To know that some trees change in the four seasons. To know some signs of each season (leaves on the ground, cold weather, daffodils growing and sunny weather.) To know that some animals hibernate or store food in winter.* To know that the weather changes throughout the year. To know and compare weather types (rain, sun, snow, wind).
Year 1	Introduction to Plants Plant Structure and Function To know a variety of common plants, and how they differ. To know that deciduous trees lose their leaves seasonally, but evergreen trees do not. To know the basic structure	Sensitive Bodies/ Comparing Animals Animal Growth To know a variety of common animals (including fish, amphibians, reptiles, birds and mammals). Animal Structure & Function		Everyday Materials Identifying and Naming To know that objects are items or things. To know that a material is what an object is made from. To identify and name a variety of everyday materials, including wood,	Seasonal Changes To know the name and order of the four seasons; spring, summer, autumn and winter. To know that it is unsafe to look directly at the Sun.



	(including leaves, flowers (blossom), fruit, roots, bulb, seed, trunk, branches, stem) of a variety of common plants, including flowering plants and trees. Plant Growth and Needs To begin to understand how plants grow and change over time.	To know the main body parts of common animals (arms, legs, wings, tails, fins, head, trunk, horns/tusks, shell) To know key parts of the human body (including head, neck, arms, elbows, legs, knees, face, ears, eyes, hair, mouth, teeth). To know the five main senses: sight, smell, hearing, taste and touch. To know that the skin is used for touch, the tongue is used for taste, the nose is used for sight and the ears are used for hearing. Health and Nutrition To know that a carnivore is an animal that eats other animals and give some examples. To know that a herbivore is an animal that eats only plants and give some examples. To know that an omnivore is an animal that eats both animals and plants, and to give some examples		plastic, glass, metal, water and rock. Properties and Uses To know that property refers to how a material can be described. To describe the physical properties of a variety of everyday materials. To understand that materials can be grouped based on their physical properties. Change None	To know weather associated with the four seasons and how it changes (in the UK). To understand that day length varies across the four seasons, with fewer daylight hours in the winter and more in the summer.
Year 2	Plant Growth Plant Growth and Needs To know that seeds and bulbs grow into seedlings by producing roots and shoots. To know that seedlings grow into		Habitats/ Microhabitats Characteristics of living things To begin to understand some of the life processes, including movement, reproduction, sensitivity, growth, excretion and	Uses of Everyday Materials Identifying and Naming None Properties and Uses To know why objects are made from particular	
	mature plants by developing parts such as roots, stems, leaves and flowers. To know		nutrition. To know the difference between things that are living, dead, and things that have never	materials and to give examples of their suitability. To know that one material can	



that seeds need water and warmth to germinate. To know that plants need water, light and a suitable temperature for growth and health.	been alive, using some of the life processes. Variation and Inheritance To know a variety of plants and animals and describe some differences. Habitats and Interdependence To name a variety of habitats, including woodland, ocean, rainforest and seashore. To know that a habitat is the environment where an animal or plant lives/grows, because it provides what they need to survive. To know that a micro-habitat is a very small habitat (e.g. stones, logs and leaf litter). To know that living things depend upon each other (e.g. for food, shelter.) To understand that a food chain can be used to show how animals obtain food from eating either plants and/or other animals.	be used for a range of purposes (and to give examples.) To know that different materials can be used for the same purpose (and to give examples.) To know why certain materials are unsuitable for particular objects. Change To know that a push or pull must be applied to change the shape of a solid object. To know that solid objects can be squashed, bent, twisted or stretched. To know that different solid objects may take a different amount of force to change shape.
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