



SCIENCE CURRICULUM PROGRESSION

	RECEPTION Three and Four Year olds Reception ELG	YEAR 1	YEAR 2
Plants	• Plant seeds and care for growing plants • Understand the key features of the life cycle of a plant • Begin to understand the need to respect and care for the natural environment and all living things • Explores the natural world around them • 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	• Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees • Identify and describe the basic structure of a variety of common flowering plants, including trees	• Observe and describe how seeds and bulbs grow into mature plants • Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy
Animals including Humans	• Understand the key features of the life cycle of an animal • Begin to understand the need to respect and care for the natural environment and all living things • Make healthy choices about food, drink, activity and toothbrushing • Explores the natural world around them • Know and talk about the different factors that support their overall health and wellbeing: regular physical activity, healthy eating, toothbrushing • Explore the natural world around	• Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense • Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals • Identify and name a variety of common animals that are carnivores, herbivores and omnivores • Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets)	• Understand that animals, including humans, have offspring which grow into adults. • Find out about and describe the basic needs of animals, including humans, for survival (water, food and air) • Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene

	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 • Manage their own basic hygiene and personal needs, including dressing, going to the toilet, and understanding the importance of healthy food choices		
Everyday Materials	• Explore collections of materials with similar and/or different properties. • Explore and talk about different forces they can feel. • Talk about the differences between materials and changes they notice. • Explores the natural world around them • Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.	• Distinguish between an object and the material from which it is made • Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock • Describe the simple physical properties of a variety of everyday materials • Compare and group together a variety of everyday materials on the basis of their simple physical properties.	• Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses. • Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.
Seasonal Changes	• Understands the effects of changing seasons on the natural world around them • Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.	• Observe changes across the four seasons • Observe and describe weather associated with the seasons and how day length varies	
Living things and their	• Explores the natural world around them • Use all their senses in hands-on exploration of natural materials. • Explore collections of materials with similar and/or different properties. • Talk about what they see, using a		• Explore and compare the differences between things that are living, dead, and things that have never been alive • Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of

	wide vocabulary. • 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		different kinds of animals and plants, and how they depend on each other • Identify and name a variety of plants and animals in their habitats, including microhabitats • Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food
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