

Curriculum Skills and Progression Map



Science Knowledge

Early Years Foundation Stage		Year 1	Year 2
<p>Understanding of the World The World</p> <p>Early Learning Goal</p> <ul style="list-style-type: none"> Children know about similarities and differences in relation to places, objects, materials and living things. They talk about features of their own immediate environment and how environments may vary from one to another. They make observations of animals and plants and explain why some things occur and talk about changes. 	Plants	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> 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
	Living Things and Their Habitats		<ul style="list-style-type: none"> 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 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.
	Animals Including Humans	<ul style="list-style-type: none"> 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 	<ul style="list-style-type: none"> Notice 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
<p>Physical Development Health and Self- Care</p> <p>Early Learning Goal</p> <ul style="list-style-type: none"> Children know the importance for good health of physical exercise, a healthy diet and talk about ways to keep healthy and safe. 	Everyday Materials (Year 1) Use of Everyday Materials (Year 2)	<ul style="list-style-type: none"> 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. 	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> Observe changes across the four seasons Observe and describe weather associated with the seasons and how day length varies 	

	Plants	Living Things and Their Habitats	Animals including humans	Everyday Materials	Seasonal Changes
Early Years Foundation Stage	<ul style="list-style-type: none"> ● Look at different plants and draw/paint them ● Plant cress seeds and observe changes in different conditions 	<ul style="list-style-type: none"> ● Make observations of animals and where they live 	<ul style="list-style-type: none"> ● Look at how animals and humans change overtime from babies – adults Look at photographs of when they were babies and guess the person ● Identify what healthy eating looks like and why exercise is important 	<ul style="list-style-type: none"> ● Observe the similarities and differences of different materials ● Investigate what happens when materials change 	<ul style="list-style-type: none"> ● Learn about the four seasons and create a seasons picture of what each season looks and feels like
Year 1	<ul style="list-style-type: none"> ● 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 		<ul style="list-style-type: none"> ● Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense ● Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets) ● 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 	<ul style="list-style-type: none"> ● 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 ● 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 	<ul style="list-style-type: none"> ● Observe changes across the four seasons ● Observe and describe weather associated with the seasons and how day length varies
Year 2	<ul style="list-style-type: none"> ● 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 	<ul style="list-style-type: none"> ● Explore and compare the differences between things that are living, dead, and things that have never been alive ● Notice that animals, including humans, have offspring which grow into adults ● Identify that most living things 	<ul style="list-style-type: none"> ● Find out about and describe the basic needs of animals, including humans, for survival (water, food and air) ● Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, 	<ul style="list-style-type: none"> ● 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 	

		<p>live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other</p> <ul style="list-style-type: none">● Identify and name a variety of plants and animals in their habitats, including micro-habitats	<p>and identify and name different sources of food</p>	<p>some materials can be changed by squashing, bending, twisting and stretching</p>	
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