



Science School Overview

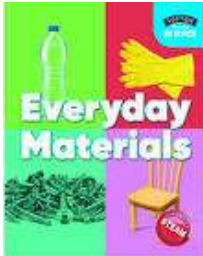

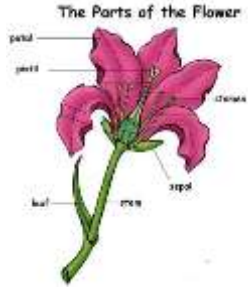
Responsibility Resilience Independence Curiosity Respect Kindness Honesty Self-belief





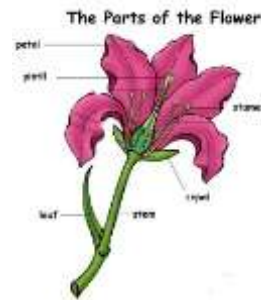
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
F1	<p>Know how to sing songs that relate to me body eg: head, shoulders knees and toes</p> <p>Know how to talk about what I see and hear around me, using a wide vocabulary.</p> <p>Know and notice features of objects in the environment</p> <p>Know how to use all my senses in hands-on exploration of natural materials. know the name of some living things that are within the immediate natural environment</p>	<p>Know that weather can change</p> <p>Know how to ask questions about aspects of my familiar world such as the place where I live or the natural world.</p> <p>Know how to be curious and interested to explore new and familiar experiences in nature: grass, mud, puddles, plants, animal life</p>	<p>Know how to talk about some of the things I have observed such as plants, animals, natural and found objects.</p> <p>Know how to talk about the differences between materials and changes I notice.</p>	<p>know how to care for living things and the environment</p> <p>Know how to show care and concern for living things and the environment</p> <p>Know how to plant seeds and care for growing plants</p> <p>Know how to talk about some of the things I have observed such as plants, animals, natural and found objects.</p>	<p>Know that weather can change</p> <p>Know how to talk about some of the things I have observed such as plants, animals, natural and found objects.</p> <p>Know how to talk about what I see and hear around me, using a wide vocabulary.</p>	<p>Know how to ask questions about aspects of my familiar world such as the place where I live or the natural world.</p> <p>Know how to be curious and interested to explore new and familiar experiences in nature: grass, mud, puddles, plants, animal life</p>
F2	<p>Explore the natural world around them, making observations</p>	<p>Know how to describe what I see, hear and feel whilst outside.</p> <p>Know and understand some important</p>	<p>I know and understand some important processes and changes in the natural world around them, including changing states of matter (ice</p>	<p>Know how to talk about some of the things I have observed such as plants, animals, natural and found objects.</p>	<p>Know how to show care and concern for living things and the environment</p>	<p>Know how to talk about ways in which I can look after my environment</p> <p>Know and name body parts (SCARF)</p>

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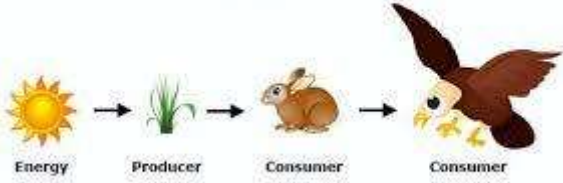

	<p>Draw pictures of animals</p> <p>Know how to show care and concern for living things and the environment</p>	<p>processes and changes in the natural world around them, including changing states of matter</p>	<p>experiment/exploring water play)</p> <p>I know and understand some important processes and changes in the natural world around them, including the seasons (winter)</p> 	<p>Know how to ask questions about aspects of my familiar world such as the place where I live or the natural world</p> <p>Know how to talk about why things happen and how things work</p> <p>Know how to explore the natural world around me (Ongoing)</p> <p>Know what a plant needs to grow</p> <p>Know and understand the key features of the life cycle of a plant</p> <p>Draw pictures of plants</p> <p>Know and start to develop an understanding of growth, decay and changes over time.</p> <p>Know how to show care and concern for living</p>	<p>Know and describe similarities and differences in relation to living things</p> <p>know and describe the habitat of familiar animals</p> <p>Know and understand the key features of the life cycle of an animal</p> <p>Explore the natural world around them, making observations and drawing pictures of animals and plants.</p>	<p>know how human actions impact on the environment.</p> <p>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</p> 
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				things and the environment Know and understand the key features of the life cycle of an animal		
	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 1	Materials <ul style="list-style-type: none">Distinguish between an object and the material from which it is madeIdentify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rockDescribe the simple physical properties of a variety of everyday materialsCompare and group together a variety of everyday materials on the basis of their simple physical properties.  Seasonal changes autumn observe changes across the four seasons		Animals including humans <p>Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals</p> <p>Identify and name a variety of common animals that are carnivores, herbivores and omnivores</p> <p>Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets)</p> <p>Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.</p>  Seasonal changes winter/spring observe changes across the four seasons		Plants <p>Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees</p> <p>Identify and describe the basic structure of a variety of common flowering plants, including trees.</p>  Seasonal changes summer observe changes across the four seasons observe and describe weather associated with the seasons and how day length varies.	

	<p>observe and describe weather associated with the seasons and how day length varies.</p> 	<p>observe and describe weather associated with the seasons and how day length varies.</p> 	
Year 2	<p>Animals including humans</p> <p>notice that animals, including humans, have offspring which grow into adults</p> <p>find out about and describe the basic needs of animals, including humans, for survival (water, food and air)</p> <p>describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.</p> 	<p>Living things and their habitats</p> <p>Explore and compare the differences between things that are living, dead, and things that have never been alive</p> <p>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</p> <p>Identify and name a variety of plants and animals in their habitats, including microhabitats</p> <p>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.</p>	<p>Plants</p> <p>Observe and describe how seeds and bulbs grow into mature plants</p> <p>Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.</p>  <p>Everyday materials</p> <p>Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses</p>

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		<p>Virtual Ecosystem Food Chain</p>  <pre>graph LR; Energy --> Producer --> Consumer1[Consumer] --> Consumer2[Consumer]</pre>	<p>Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.</p> 
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