


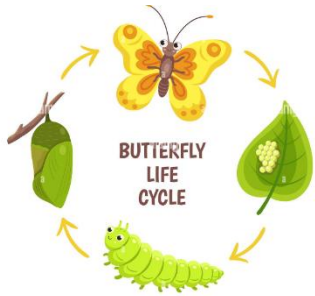





Science School Overview

Responsibility Resilience Independence Curiosity Respect Kindness Honesty Self-belief

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	
F1	<p><b>Being Kind:</b></p> <p>I can show care and concern for living things and the environment</p> <p>I can name of some living things that are within the immediate natural environment</p> 		<p><b>Environments and change:</b></p> <p>I can talk about environments in stories.</p> <p>I am beginning to notice changes in my environment</p>  <p>I can plant seeds and care for growing plants and show care and concern for living things and the environment.</p> 		<p><b>Growth and change:</b></p> <p>I can observe changes that occur to animals as they grow.</p> <p>I can talk about some of the things I have observed such as plants, animals, natural and found objects.</p> 		
	<p><b>Animals including Humans:</b></p> <p>I can talk about things I have observed such as animals</p> <p>I show care for living things (pets)</p> <p>I Know and name body parts</p> <p>I can Draw pictures of animals (pets)</p> 		<p><b>Changing seasons</b></p> <p><b>Winter:</b></p> <p>I know and understand some important processes and changes in the natural world around them, including changing states of matter (ice experiment/exploring water play)</p>	<p><b>Growth &amp; Change:</b></p> <p><b>Environment:</b></p> <p>I know how to talk about some of the things I have observed such as plants, animals, natural and found objects: growing beanstalks, ducks...</p> 	<p><b>Growth &amp; Change:</b></p> <p>I know how to show care and concern for living things in the environment</p> <p>I know and understand the key features of the life cycle of an animal (frog)</p>	<p><b>Changing seasons</b></p> <p><b>Summer:</b></p> <p>I know and understand some important changes in the natural world around me, including the seasons.</p> 	

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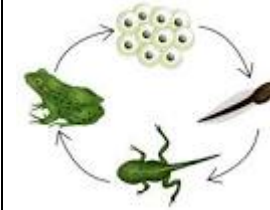
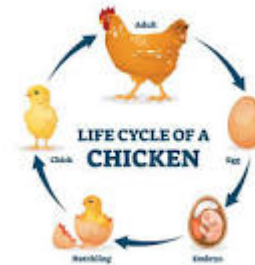
I know and understand some important processes and changes in the natural world around them, including the seasons (winter)



I know what a plant needs to grow/Know and understand the key features of the life cycle of a plant /Know and start to develop an understanding of growth, decay and changes over time: growing plants

I know how to draw picture of plants

I know and understand the key features of the life cycle of an animal (ducks/farm)


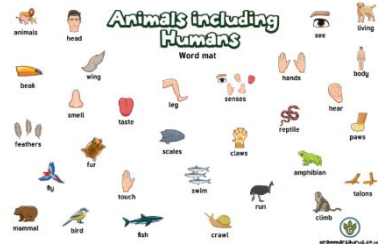
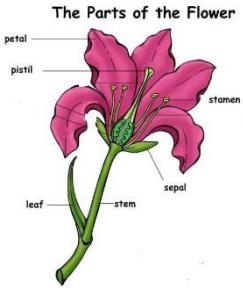


I know and describe similarities and differences in relation to living things

I know and describe the habitat of familiar animals





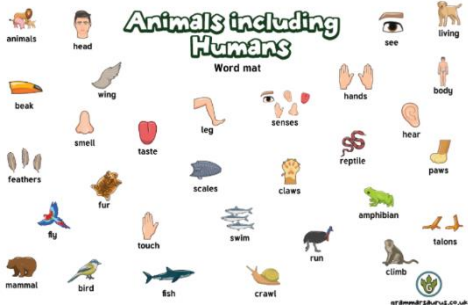
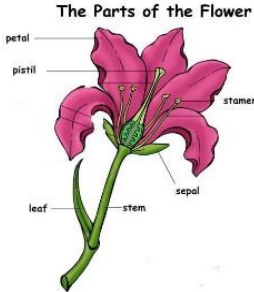
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	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2	
<b>Year 1</b>	<p><b>Materials</b></p> <ul style="list-style-type: none"> <li>Distinguish between an object and the material from which it is made</li> <li>Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock</li> <li>Describe the simple physical properties of a variety of everyday materials</li> <li>Compare and group together a variety of everyday materials on the basis of their simple physical properties.</li> </ul>  <p><b>Seasonal changes autumn</b> observe changes across the four seasons</p>		<p><b>Animals including humans</b></p> <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>  <p><b>Seasonal changes winter/spring</b> observe changes across the four seasons</p>		<p><b>Plants</b></p> <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>  <p><b>Seasonal changes summer</b> observe changes across the four seasons</p> <p>observe and describe weather associated with the seasons and how day length varies.</p>		

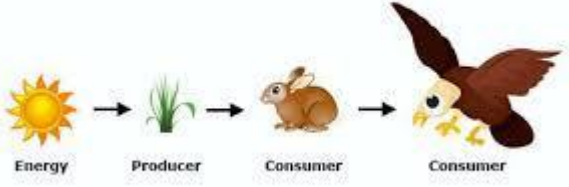

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	<p>observe and describe weather associated with the seasons and how day length varies.</p> 	<p>observe and describe weather associated with the seasons and how day length varies.</p>  	
<p>Year 2</p>	<p><b>Animals including humans</b> notice that 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><b>Living things and their habitats</b> 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><b>Plants</b> 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><b>Everyday materials</b> 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 --&gt; Producer; Producer --&gt; Consumer1[Consumer]; Consumer1 --&gt; 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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