

Year A

Year 1 objectives Year 2 objectives

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<p><u>Animals</u></p> <ul style="list-style-type: none"> <li>identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals</li> <li>identify and name a variety of common animals that are carnivores, herbivores and omnivores</li> <li>describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets)</li> </ul>	<p><u>Uses of everyday materials</u></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><u>Working Scientifically</u></p> <p>linked to topic or questions the children have created.</p> <ul style="list-style-type: none"> <li>Comparative and Fair testing</li> <li>Pattern Seeking</li> <li>Identifying, Grouping and Classifying</li> <li>Researching using secondary sources</li> <li>Observing over time</li> </ul> <p>Or//</p> <p>Link to another topic and create opportunities for working scientifically.</p>	<p><u>Plants</u></p> <ul style="list-style-type: none"> <li>identify and name a variety of common wild and garden plants, including deciduous and evergreen trees</li> <li>identify and describe the basic structure of common flowering plants, including trees.</li> </ul>	<p><u>Living things</u></p> <ul style="list-style-type: none"> <li>explore and compare the differences between things that are living, dead, and things that have never been alive</li> <li>identify and name a variety of plants and animals in their habitats, including micro-habitats</li> </ul>	<p><u>Living things</u></p> <ul style="list-style-type: none"> <li>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.</li> </ul>
<p><b>Cross/Extra Curricular:</b> Lion Learners visit - hands on animal experience linked to curriculum objectives.</p>			<p>Art - sketching plants, flowers, trees</p>	<p>DT - Micro-habitats and mini beast Bug Hotels.</p> <p>Nell Bank visit - exploring nature and habitats outdoors. (One year)</p>	

Seasonal change objectives learnt throughout the year. (Au2, Spr2 and Su2).

- observe and describe weather associated with the seasons and how day length varies
- discuss extreme weathers around the world.

Year B

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<p><u>Animals</u></p> <ul style="list-style-type: none"> <li>identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.</li> <li>notice that animals, including humans, have offspring which grow into adults</li> <li>find out about and describe the basic needs of animals, including humans, for survival (water, food and air)</li> </ul>	<p><u>Working Scientifically</u></p> <p>linked to topic or questions the children have created.</p> <ul style="list-style-type: none"> <li>Comparative and Fair testing</li> <li>Pattern Seeking</li> <li>Identifying, Grouping and Classifying</li> <li>Researching using secondary sources</li> <li>Observing over time</li> </ul> <p>Or//</p> <p>Link to another topic and create opportunities for working scientifically.</p>	<p><u>Living things</u></p> <ul style="list-style-type: none"> <li>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.</li> </ul>	<p><u>Uses of everyday materials</u></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> <li>find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.</li> </ul>	<p><u>Plants</u></p> <ul style="list-style-type: none"> <li>observe and describe how seeds and bulbs grow into mature plants</li> <li>find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.</li> </ul>	<p><u>Health (Link to Healthy week PSHE)</u></p> <ul style="list-style-type: none"> <li>how to make simple choices that improve their health and wellbeing</li> <li>to maintain personal hygiene</li> <li>how some diseases spread and can be controlled</li> <li>about the process of growing from young to old and how people's needs change</li> <li>the names of the main parts of the body</li> <li>that all household products, including medicines, can be harmful if not used properly</li> <li>describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.</li> </ul>

# KS1 Long Term Plans - Science

NC Objectives from: **Year 1** **Year 2**

<b>Cross/Extra Curricular:</b>		English - non-chronological reports on animals and their habitats Nell Bank visit - exploring nature and habitats outdoors. (One year).		Art - sketching seeds, bulbs, plants Planting in the wildlife garden.	PSHE Healthy week PE - link to exercise
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