

# Science Knowledge and Skills Overview

## Class 2

### Year B

	Autumn 1 Introduction to plants	Autumn 2 Uses of everyday materials	Spring 1 Animals including Humans - Animals	Spring 2 Living Things and Habitats	Summer 1 Animals and Humans – What makes us?	Summer 2 Diet and Health
Knowledge	<ul style="list-style-type: none"> <li>Identify and name a variety of common and wild and garden plants, including deciduous and evergreen trees</li> <li>Identify and describe the basic structure of a variety of common flowering plants, including trees</li> </ul>	<ul style="list-style-type: none"> <li>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</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>	<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> <li>Identify, name, draw and label the basic parts of the human body and say</li> </ul>	<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 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</li> </ul>	<ul style="list-style-type: none"> <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>	<ul style="list-style-type: none"> <li>Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene</li> </ul>

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			<p>which part of the body is associated with each sense</p>	<p>their habitats, including microhabitats</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>		
Skills	<ul style="list-style-type: none"> <li>Observe closely, using simple equipment</li> <li>Perform simple tests</li> <li>Identify and classify</li> <li>Use their observations and ideas to suggest answers to questions</li> <li>Gather and record data to help in answering questions</li> </ul>	<ul style="list-style-type: none"> <li>Asking simple questions and recognise that they can be answered in different ways</li> <li>Observe closely, using simple equipment</li> <li>Perform simple tests</li> <li>Identify and classify</li> </ul>	<ul style="list-style-type: none"> <li>Observe closely, using simple equipment</li> <li>Identify and classify</li> <li>Use their observations and ideas to suggest answers to questions</li> <li>Gather and record data to help in answering questions</li> </ul>	<ul style="list-style-type: none"> <li>Observe closely using simple equipment</li> <li>Perform simple tests</li> <li>Identify and classify</li> <li>Use their observations and ideas to suggest answers to questions</li> </ul>	<ul style="list-style-type: none"> <li>Asking simple questions and recognise that they can be answered in different ways</li> <li>Observe closely, using simple equipment</li> <li>Perform simple tests</li> <li>Identify and classify</li> <li>Use their observations and ideas to suggest</li> </ul>	<ul style="list-style-type: none"> <li>Asking simple questions and recognise that they can be answered in different ways</li> <li>Observe closely, using simple equipment</li> <li></li> </ul>

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					answers to questions <ul style="list-style-type: none"><li>Gather and record data to help in answering questions</li></ul>	
Vocabulary	Seed Plant Stem Petal Deciduous Evergreen Fruit Vegetable	Material Fabric Wood Plastic Metal Property Opaque Transparent	Fish Amphibian Reptile Mammal Bird Warm-blooded Cold-blooded Herbivore	Reproduce Excrete Respire Habitat Microhabitat Survive Producer Consumer	Nutrition Healthy Protein Carbohydrate Dairy Fat Exercise Hygiene	Nutrition Health