

# KS1 Academic Year

Scientific Curriculum Objective	Year 1	Year 2
<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 flowering plants, including tree.</p>	<p>Which plants will we find in the park?</p>	
<p>Observe changes across the 4 seasons.</p> <p>Observe and describe weather associated with the seasons and how day length varies.</p>	<p>Why does it get darker earlier in winter?</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 body part is associated with each sense.</p>	<p>Why are humans not like tigers?</p>	
<p>Explore and compare the differences between things that are living, dead and things that have never been alive.</p>	<p>Where do plants and animals live?</p>	

<p>Identify and name a variety of plants and animals in their habitats, including microhabitats.</p>		
<p>Distinguish between an object and the material from which it is made.</p> <p>Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water and rock.</p> <p>Describe the simple physical properties of a variety of everyday materials.</p> <p>Compare and group together a variety of everyday materials on the basis of their simple physical properties.</p>	<p>Which materials should the three little pigs use to build their house?</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>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>Why would a dinosaur not make a good pet?</p>
<p>Compare how things move on different surfaces.</p> <p>Notice that some forces need contact between two objects.</p>		<p>Could Lightning McQueen race on our field?</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>How will 5 a day help me to be healthy?</p>

<p>Describe the importance for humans of exercise, eating right amounts of different types of food, and hygiene.</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>How can I be the next Master Chef?</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> <p>Find out how shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.</p>		<p>What materials would you use to build our school?</p>

Throughout all challenge questions, children will have the opportunity to understand the scientific enquiry skills; observing over time, comparative and fair testing, researching using secondary sources, pattern seeking and identifying, grouping and classifying.

They will be encouraged to understand the reasoning behind a variety of scientific enquiries and be given opportunities to participate in hands-on experiences that further develop their understanding of the scientific enquiry concepts.

