



## Purbrook Infant School Skills Progression 2017/18

### Subject area: Science

#### Working Scientifically

*During years 1 and 2, pupils should be taught to use the following practical scientific methods, processes and skills through the teaching of the programme of study content:*

*Asking simple questions and recognising that they can be answered in different ways*

*Observing closely using simple equipment*

*Performing simple tests*

*Identifying and classifying*

*Using their observations and ideas to suggest answers to questions*

*Gathering and recording data to help in answering questions*

Skill	EYFS	Year 1	Year 2
<b>Seasons</b>	<p><i>Talk about the features of their own immediate environment and how environments might vary from one another</i></p> <p><i>Look closely at similarities, differences, patterns and change</i></p>	<p><i>Observe changes across the 4 seasons</i></p> <p><i>Observe and describe weather associated with the seasons and how the day length varies</i></p> <p><i>Seasonal changes and investigating</i></p>	
<b>Plants</b>	<p><i>Make observations of plants and explain why some things occur, and talk about changes</i></p>	<p><i>Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees</i></p> <p><i>Identify and describe the basic structure of a variety of common flowering plants, including trees</i></p>	<p><i>Observe and describe how seeds and bulbs grow into mature plants</i></p> <p><i>Find out and describe how plants need water, light and suitable temperature to grow and stay healthy.</i></p>
<b>Animals Including Humans</b>	<p><i>Show care and concern for living things and the environment</i></p> <p><i>Make observations of animals</i></p>	<p><i>Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.</i></p>	<p><i>Notice that animals, including humans, have offspring which grow into animals</i></p>

	<i>Make observations of animals and explain why some things occur, and talk about changes</i>	<i>Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals</i>  <i>Identify and name a variety of common animals that are carnivorous, herbivores and omnivores</i>	<i>Find out about and describe the basic needs of animals, including humans, for survival</i>  <i>Describe the importance for humans of exercise, eating the right amounts of different types of food and hygiene</i>
<b>Skill</b>		<b>Year 1</b>	<b>Year 2</b>
<b>Everyday Materials</b>	<i>Know the properties of some materials and suggest some of the purposes they are used for</i>	<i>Distinguish between an object and the material from which it is made</i>  <i>Identify and name a variety of everyday materials, including wood, plastic, glass, materials, water and rock</i>  <i>Describe the simple physical properties of a variety of everyday materials</i>  <i>Compare and group together a variety of everyday materials on the basis of their physical properties</i>	<i>Identify and compare the suitability of a variety of everyday materials</i>  <i>Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching</i>
<b>Skill</b>	<b>EYFS</b>	<b>Year 1</b>	<b>Year 2</b>
<b>Living things and their habitats</b>	<i>Comment and ask questions about aspects of their familiar world such as the place where they live or the natural world</i>  <i>Talk about similarities and differences in relation to living things</i>  <i>Know that the environment and living things are influenced by human activity</i>  <i>Describe some actions which people in their own community do that help to maintain the area they live in</i>		<i>Explore and compare the difference between things that are living, dead and things that have never been alive</i>  <i>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</i>  <i>Identify and name a variety of plants and animals in their habitats, including microhabitats</i>  <i>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</i>  <i>Describe and compare the structure of a variety of common animals</i>
<b>Skill</b>	<b>EYFS</b>	<b>Year 1</b>	<b>Year 2</b>
<b>Forces</b>	<i>Explore basic scientific concepts such as floating, sinking and experimentation</i>	<i>Key Ideas: Things can move in different ways</i>  <i>Pushing and pulling can make things move or stop</i>	

		<p><i>Pushing and pulling can make things move faster or slower</i></p> <p><i>Larger masses take bigger pushes and pulls to move or stop them</i></p> <p><i>Bigger Pushes and Pulls have bigger effects</i></p> <p><i>Pushing and pulling can change the shape of things</i></p>	
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