



Our Curriculum

What we will teach children to do over the course of the year in Science- Knowledge					
	PLANTS	ANIMALS (including Humans)	LIGHTand DARK	MATERIALS	SOUND
<p>We would expect almost all children to achieve these things in</p> <p>Year 1</p>	<p>Identification and labelling of plants, including trees</p> <ul style="list-style-type: none"> •Structure of plants, including roots, stem, flower, etc. 	<p>Identification and labelling a variety of common birds and animals</p> <p>Know carnivores and herbivores</p> <p>Know how animals are suited to their environment</p> <p>Name parts of the human body</p>	<p>Know and name sources of light including the Sun</p> <p>Know features of day and night including temperature</p> <p>Know that electricity is a source of light</p> <p>Understand what a shadow is.</p>	<p>Know some uses of different everyday materials</p> <p>Be able to Classify and Group materials</p> <p>Know how we can change materials by bending, etc.</p>	
<p>We would expect almost all children to achieve these things in</p> <p>Year 2</p>	<p>Know that there are living and non living things</p> <p>Know what plants need to grow</p> <p>Know about growing from seeds and bulbs</p>	<p>Know what a habitat is</p> <p>Understand some early Food Chains</p> <p>Know the importance of exercise to healthy living</p> <p>Know what animals and humans need to survive</p> <ul style="list-style-type: none"> •Know that animals have offspring, which 		<p>Know uses of different everyday materials</p> <ul style="list-style-type: none"> • Be able to Classify and Group materials •Changing materials by bending, etc. 	<p>Know sources of sound</p> <p>Be able to identify louder and softer sounds</p>



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		grow to be adults			
	ANIMALS (including Humans)	PLANTS	LIGHT	FORCES and MAGNETS	ROCKS
We would expect almost all children to know about these things by the end of Year 3	<ul style="list-style-type: none"> •Nutrition, linked to what we eat •Skeletons and muscles 	<ul style="list-style-type: none"> •Function of different parts of plants •What different plants need to flourish •Journey of the food in a plant •Life cycle of a plant 	<ul style="list-style-type: none"> •Sources, including the Sun and electricity •Shadows •Reflection •Vocab: eg, translucent 	<ul style="list-style-type: none"> •How magnets attract some materials •Floating and sinking 	<ul style="list-style-type: none"> •How rocks are formed •Different kinds of rocks •Fossils
	ANIMALS Including HUMANS	ALL LIVING THINGS	STATES OF MATTER	ELECTRICITY	SOUND
We would expect almost all children to know about these things by the end of Year 4	<ul style="list-style-type: none"> •Digestive System •Teeth 	<ul style="list-style-type: none"> •Identify and name a variety of living things (plants and animals) in the local and wider environment •Recognise that environments can change and can pose dangers 	<ul style="list-style-type: none"> •Solids, Liquids and Gases- what are they •Heating and cooling (no baking, etc.) •Evaporation and condensation- what are they 	<ul style="list-style-type: none"> •Alternative sources of energy 	<ul style="list-style-type: none"> •Sources •Vibration •Loud and faint •Pitch •Volume
	ALL LIVING THINGS	ANIMALS, including HUMANS	PROPERTIES and CHANGES of MATERIALS	EARTH and SPACE and MAGNETISM	FORCES
We would	Life cycles of plants	Changes as humans	Dissolving	Earth relative to the	Gravity



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<p>expect almost all children to know about these things by the end of</p> <p>Year 5</p>	<p>and animals</p> <ul style="list-style-type: none"> •Birth, growth, development, and reproduction 	<p>develop from birth to old age</p>	<ul style="list-style-type: none"> •Evaporating •Filtering •Reversible and Irreversible changes 	<p>Sun</p> <ul style="list-style-type: none"> •Moon relative to the Earth •Relationship between Sun, Earth and Moon •Earth's rotation •Day and night 	<ul style="list-style-type: none"> •Air Resistance •Water Resistance •Friction •Gears, Pulleys, Levers and Springs
	ALL LIVING THINGS	ANIMALS including HUMANS	EVOLUTION and INHERITANCE	LIGHT	ELECTRICITY
<p>We would expect almost all children to know these things by the end of</p> <p>Year 6</p>	<p>Classification of living things</p> <ul style="list-style-type: none"> •Vertebrates and invertebrates •Classifying reptiles, amphibians, mammals, insects, etc. 	<p>Circulatory system</p> <ul style="list-style-type: none"> •Heart, blood vessels •Diet, exercise and drugs •Transport of nutrients through the body 	<p>Fossils tell us about the past</p> <ul style="list-style-type: none"> •Off spring •Changes to the human skeleton over time •Darwin 	<p>How light travels</p> <ul style="list-style-type: none"> •The eye •Shadows 	<p>Electrical circuits (series)</p> <ul style="list-style-type: none"> •Designing traffic lights