

**Long Term Plan Science**

**BIOLOGY – PHYSICS – CHEMISTRY**

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
<b>EYFS</b>	<b>Seasonal change: Autumn/ Winter,</b> (Through forest school) <b>Commenting on changing states of matter:</b> (observe and comment on changing states of matter outdoors- water freezing) <b>Forces:</b> (explore and talk about different forces they can feel - how the water pushes up when they try to push a plastic boat under it; how they can stretch elastic, snap a twig, but can't bend a metal rod; magnetic attraction and repulsion)		<b>Seasonal change: Spring</b> (Through forest school) <b>Explore growing and planting:</b> (make connections with how we grow. Explore the natural world around them in Forest School) <b>Make observations about living things:</b> (observations about ducks in school). <b>Plants:</b> (plant seeds and care for growing plants. Understand the key features of the life cycle of a plant and an animal).		<b>Seasonal change: Summer</b> (Through forest school) <b>Understand some important processes and changes in the natural world around them:</b> (including the seasons and changing states of matter) <b>Basic lifecycles:</b> Make observations about butterflies and caterpillars in school. <b>Animals:</b> (habitats, domestic and wild animals).	
<b>Year 1</b>	<b>Seasonal Change</b> (the four seasons using Forest School)					
	<b>Animals, including Humans</b>		<b>Everyday Materials</b> (properties)		<b>Plants</b> (common plants and their basic parts)	
<b>Year 2</b>	<b>Animals, including Humans</b> (Basic needs and lifecycles)	<b>Living Things and their Habitats</b> (suitable habitats and food chains)	<b>Uses of Everyday Materials</b> (suitability of properties)		<b>Plants</b> (What do plants need to stay healthy)	
<b>Year 3</b>	<b>Animals, including Humans</b> (skeleton and healthy diet)		<b>Light</b> (light sources, sun safety and shadows)	<b>Forces and Magnets</b> (magnets and how things move)	<b>Rocks and Soils</b>	<b>Plants</b> (functions, life cycle, requirements to grow)
<b>Year 4</b>	<b>Electricity</b> (basic circuits)	<b>States of Matter</b> (change in states- solids, liquid, gases, heating and cooling)	<b>Animals, including humans</b> (teeth, digestion and food chains)		<b>Sound</b>	<b>Living things and their habitats</b> (classification of plants and animals)
<b>Year 5</b>	<b>Forces</b> (and simple mechanisms)	<b>Earth and Space</b>	<b>Properties and Changes of Materials</b> (separation of materials solutions and reactions)		<b>Animals, including Humans</b> (human development and gestation)	<b>Living Things and their Habitats</b> (life cycles of animals and plants including reproduction)
<b>Year 6</b>	<b>Living things and their Habitats</b> (classification (plants, animals and microorganisms))	<b>Light</b> (how light travels and how we see things)	<b>Animals, including Humans</b> (circulatory system and a healthy lifestyle)	<b>Electricity</b> (variations in circuits and drawing circuits)	<b>Evolution and Inheritance</b>	

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