



## Science Curriculum Overview

<b>Nursery</b>	<b>The Natural World</b> Children will know the names of body parts: heads, arms, hands, legs, feet, neck.  Children will explore how things work  Children will talk about what they notice.  Children will harvest apples from school trees.	<b>The Natural World</b> Children will know how materials change when cooking, cooling and heating.  Children will use school apples to bake apple crumble.  Children will plant bulbs to give to their Mum's on Mother's day (3 per pot – narcissus, paper white daffodils, tetetet daffodils)	<b>The Natural World</b> Children will make collections of natural materials to investigate and talk about.  Children will know how materials change when melting.  Children will talk about what they see using a wide vocabulary.	<b>The Natural World</b> Children will know that a butterfly comes from an egg.  Children will know how to respect and care for living things.	<b>The Natural World</b> Children will visit the local allotments.  Children will know that seeds can turn into plants.  Children will begin to understand how it takes time to grow plants, fruit and vegetables.  Children will plant and grow flowers/fruit/vegetable/herbs  Children will care for the growing plants	<b>The Natural World</b> Children will explore and talk about forces including magnets, floating/sinking and stretching.
<b>Reception</b>	<b>The Natural World</b> Children will know the names of body parts: shoulders, elbows, knees, ankles.  Children will know the 5 senses.  Children will know that this time of year is Autumn.	<b>The Natural World</b> Children will identify plastic and metal.  Children will know what material a magnet picks up.	<b>The Natural World</b> Children will know that this time of year is Winter.  Children will explore floating and sinking.  Children will plant and watch peas (pea igloo) and radish growing.	<b>The Natural World</b> Children will observe changes and growth of chicks.  Children will know the life cycle of a chick.  Children will know that this time of year is Spring.  Children will explore the strength of materials to make a house for a dinosaur.  Children will make Spring Veg soup using veg grown on school grounds (onions, carrots, cabbage, herbs, pak choi)	<b>The Natural World</b> Children will visit the local allotments.  Children will know the names of the 4 seasons and weather associated with them.  Children will know the life cycle of a pea.  Children will know how to care for a plant.  Children will observe how a tree has changed over the 4 seasons.  Children will make rhubarb using rhubarb grown on school grounds.	<b>The Natural World</b> Children will know that this time of year is Summer.  Children will know that some animals can live underwater.  Children will harvest their peas.  Children will melt and solidify different substances such as chocolate and butter.

Year 1	Seasonal Changes <i>Biology</i>			
	Animals including Humans <i>Biology</i>	Everyday Materials <i>Chemistry</i>	Plants <i>Biology</i>	
Year 2	Everyday Materials <i>Chemistry</i>	Forces and Magnets <i>Physics</i>	Animals including Humans <i>Biology</i>	Living Things and their Habitats <i>Biology</i>
Year 3	Rocks <i>Chemistry</i>	Animals including Humans <i>Biology</i>	Light <i>Physics</i>	Plants <i>Biology</i>
Year 4	Animals including Humans <i>Biology</i>	Electricity <i>Physics</i>	States of Matter <i>Chemistry</i>	Sound <i>Physics</i>
Year 5	Properties and Changes of Materials <i>Chemistry</i>	Forces <i>Physics</i>	Earth and Space <i>Physics</i>	Living things and their Habitats <i>Biology</i>
Year 6	Animals including Humans <i>Biology</i>	Light <i>Physics</i>	Evolution and Inheritance <i>Biology</i>	Living things and their Habitats <i>Biology</i>