

Year 2 Progression Document (Knowledge and Working Scientifically)

Year 2		
Autumn 1	Spring 1	Summer 1
<p>Chemistry – Materials</p> <ul style="list-style-type: none"> • To identify and compare the suitability of brick, paper and plastic for different uses. • To identify and compare the suitability of rock, cardboard and wood for different uses. • To identify and compare the suitability of metal and glass for different uses. • To find out how the shapes of solid objects can be changed by squashing, twisting and stretching. • To investigate the suitability of every day materials (2 lessons) 	<p>Biology – Living Things and Habitats</p> <ul style="list-style-type: none"> • To explore and compare the differences between things that are living, dead, and things that have never been alive • To identify that most living things live in habitats to which they are suited. • To describe how different habitats provide for the basic needs of different kinds of animals. • To describe how different habitats provide for the basic needs of different kinds of plants. • To observe how living things depend on each other. 	<p>Biology – Plants</p> <ul style="list-style-type: none"> • To observe and describe how seeds and bulbs grow into mature plants • To investigate and describe how plants need water to grow and stay healthy • To investigate and describe how plants need light to grow and stay healthy. • To investigate and describe how plants need a suitable temperature to grow and stay healthy.
Autumn 2	Spring 2	Summer 2
<p>Time available for Christmas Production Rehearsal</p>	<p>Biology – Living Things and Habitats</p> <ul style="list-style-type: none"> • To observe, identify and name a variety of plants and animals in familiar habitats. • To observe, identify and name a variety of plants and animals in microhabitats • To Identify and name a variety of plants and animals in less familiar habitats. • To describe how animals obtain their food from plants and other animals and identify and name different sources. • To describe a simple food chain. 	<p>Biology – Animal including Humans</p> <ul style="list-style-type: none"> • To notice that animals, including humans, have offspring which grow into adults • To find out about and describe the basic needs of animals, including humans, for survival (water, food and air) • To describe the importance for humans to exercise • To describe the importance of eating the right amounts of different types of food, • To describe the importance of hygiene.

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KS1 Working Scientifically						
N.C Objective	Year 1			Year 2		
	Autumn	Spring	Summer	Autumn	Spring	Summer
<i>Observe closely</i>	<ul style="list-style-type: none"> Materials 	<ul style="list-style-type: none"> Seasonal Change Animals including Humans 	<ul style="list-style-type: none"> Plants 	<ul style="list-style-type: none"> Materials 	<ul style="list-style-type: none"> Living Things and Habitats 	<ul style="list-style-type: none"> Plants
<i>Identify and classify</i>	<ul style="list-style-type: none"> Materials 	<ul style="list-style-type: none"> Animals including Humans 	<ul style="list-style-type: none"> Plants 	<ul style="list-style-type: none"> Materials 	<ul style="list-style-type: none"> Living Things and Habitats 	<ul style="list-style-type: none"> Plants
<i>Perform simple tests</i>	<ul style="list-style-type: none"> Materials 	<ul style="list-style-type: none"> Seasonal Change Animals including Humans 	<ul style="list-style-type: none"> Plants 	<ul style="list-style-type: none"> Materials 		<ul style="list-style-type: none"> Plants
<i>Use observations and ideas to suggest answers to questions</i>	<ul style="list-style-type: none"> Materials 	<ul style="list-style-type: none"> Seasonal Change 		<ul style="list-style-type: none"> Materials 	<ul style="list-style-type: none"> Living Things and Habitats 	<ul style="list-style-type: none"> Plants
<i>Using simple equipment</i>	<ul style="list-style-type: none"> Materials 		<ul style="list-style-type: none"> Plants 	<ul style="list-style-type: none"> Materials 		<ul style="list-style-type: none"> Plants
<i>Ask simple questions and recognise they can be answered in different ways.</i>	<ul style="list-style-type: none"> Materials 	<ul style="list-style-type: none"> Seasonal Change Animals including Humans 	<ul style="list-style-type: none"> Plants 	<ul style="list-style-type: none"> Materials 	<ul style="list-style-type: none"> Living Things and Habitats 	<ul style="list-style-type: none"> Plants
<i>Gather and record data to help in answering questions</i>		<ul style="list-style-type: none"> Seasonal Change 	<ul style="list-style-type: none"> Plants 	<ul style="list-style-type: none"> Materials 	<ul style="list-style-type: none"> Living Things and Habitats 	<ul style="list-style-type: none"> Plants