

Year 2 Progression Document (Knowledge and Working Scientifically)

Year 2		
Autumn 1	Spring 1	Summer 1
Chemistry – Materials <ul style="list-style-type: none"> To identify and compare the suitability of wood, paper and cardboard for particular uses. To identify and compare the suitability of metal, plastic and glass for particular uses. To identify and compare the suitability of brick and rock for particular 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) 	Biology – Living Things and Habitats <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. 	Biology – Plants <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
Time available for Christmas Production Rehearsal	Biology – Living Things and Habitats <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. 	Biology – Animal including Humans <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