



Year 1 & 2 Science Overview – Year B

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
	Seasonal: Weather and climate	Living things and their habitats 2	Seasonal: Weather and climate	Plants 1	Plants	Seasonal: Weather and climate
Prior knowledge	Pupils ask questions about the natural world. They will understand some important processes and changes around them including the seasons.	Pupils studied different animals and grouped them based on their features and diet.	Pupils ask questions about the natural world. They will understand some important processes and changes around them including the seasons.	The children will be able to explain differences and similarities in mini beasts and habitats.	Children will have been taught to name and identify a variety of common, wild and garden plants.	Pupils ask questions about the natural world. They will understand some important processes and changes around them including the seasons.
Intent	To observe changes across the four seasons. To observe and describe weather associated	To explore and compare the differences between things that are living, dead, and things	To observe changes across the four seasons. To observe and describe weather associated with	To identify and name a variety of common wild and garden plants, including deciduous	To observe and describe how seeds and bulbs grow into mature plants To find out and describe how plants need	To observe changes across the four seasons. To observe and describe weather associated



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	with the seasons and how day length varies - Autumn.	that have never been alive. To identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other.	the seasons and how day length varies -Winter	and evergreen trees. To identify and describe the basic structure of a variety of common flowering plants, including trees.	water, light and a suitable temperature to grow and stay healthy.	with the seasons and how day length varies -Spring and Summer.
Type of Scientific enquiry	Observe and identify 'signs of autumn' and 'not symbols signs of autumn' and sort them into groups	Identify and classify objects Identify habitats Research facts about animals	Observing and identifying signs of winter Looking for patterns in the weather	Identify and name a variety of common wild and garden plants, including deciduous	Identifying and classifying seeds and bulbs Observing seeds germinating over time Researching	Identify and name a variety of common wild and garden plants, including deciduous



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	<p>Observe autumn weather and describe how it affects humans</p> <p>Identify and classify events that happen in autumn</p>	<p>Look for patterns in data</p> <p>Find out what animals eat</p>	<p>Identifying and classifying evergreen and deciduous trees</p> <p>Observing winter weather and describing how it affects humans</p> <p>Identifying and classifying events that happen in winter and comparing them with Autumn</p>	<p>and evergreen trees</p> <p>Identify and describe the basic structure of a variety of common flowering plants, including trees</p>	<p>facts about bulbs</p> <p>Comparative testing of different growing conditions</p> <p>Problem solving – plant growing conditions</p>	<p>and evergreen trees</p> <p>Identify and describe the basic structure of a variety of common flowering plants, including trees.</p>
<p>Working scientifically</p>	<p>Record autumn changes using drawings, labels or symbols</p> <p>Record daily autumn</p>	<p>Ask questions</p> <p>Draw basic conclusions</p> <p>Record observations</p>	<p>Recording winter changes using drawings, labels or symbols</p> <p>Observing and recording daily winter weather</p>	<p>Ask simple questions and recognise that they can be answered in different ways</p>	<p>Observing seeds and bulbs and sorting images into a table</p> <p>Communicating which plants they have found around</p>	<p>Ask simple questions and recognise that they can be answered in different ways</p>



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	<p>weather using drawings, charts or symbols</p> <p>Communicate what happens in autumn through drawings, labels and simple explanations</p>	<p>Use tables and pictograms</p> <p>Interpret results</p> <p>Communicate findings</p>	<p>using drawings, charts or symbols</p> <p>Comparing autumn and winter weather explaining similarities and differences</p> <p>Communicating what happens in winter through drawings, labels and simple explanations</p>	<p>Observe closely</p> <p>Perform simple tests, using simple equipment</p> <p>Identify and classify</p> <p>Use observations and ideas to suggest answers to questions</p> <p>Gather and record data to help in answering questions</p>	<p>the school grounds Making and recording detailed, daily observations as seeds germinate</p> <p>Posing questions about things children want to find out</p> <p>Communicating the findings of research to the class</p> <p>Setting up a simple test to see how plants grow best</p> <p>Making observations of plants noticing differences and changes</p> <p>Explaining where a plant will grow best and why</p>	<p>Observe closely</p> <p>Perform simple tests, using simple equipment</p> <p>Identify and classify</p> <p>Use their observations and ideas to suggest answers to questions</p> <p>Gather and record data to help in answering questions</p>
Key vocabulary	Autumn,	Adapted	Spring	Tree		Plant



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	MRS GREEN Microhabitat Conditions Prefer Compare	Suited Food chain Winter Daylight hours Temperature	Summer Daylight hours Plant Flower Leaf	Deciduous Evergreen Flower Roots Stem		Tree Deciduous Evergreen Flower Roots Stem
Outcome	Pupils will be able to name and describe events that happen in Autumn, sorting them into groups and explaining their choices. They will also begin to explain their thinking about autumn events using 'because'.	Pupils will be able to plan and investigate to determine which conditions woodlice prefer. Pupils will be able to identify what some living things from a habitat eat and how they are linked to a food chain.	Pupils will be able to name and describe events that happen in Winter, sorting them into groups and explaining their choices. They will also begin to explain their thinking about autumn events using 'because'.	Pupils will plant a seed in lesson 3 and keep a plant diary during the rest of the lessons to show how their plant grows and changes.	Pupils will observe plants over time, compare different types of plant, and investigate the conditions plants need to stay healthy. They will use simple scientific enquiry to make predictions, look closely at changes, and talk about what they notice.	Pupils will be able to name and describe events that happen in Spring and Summer, sorting them into groups and explaining their choices. They will also begin to explain their thinking about autumn events using 'because'.