





Science Progression	Communication and Language	Physical Development	Understanding the World
3 and 4 year olds	Understand 'why' questions, like: "Why do you think the caterpillar got so fat?"	Make healthy choices about food, drink, activity and tooth brushing.	<ul> <li>Uses all their senses in hands-on exploration of natural materials.</li> <li>Explore collections of materials with similar and/or different properties.</li> <li>Talk about what they see, using a wide vocabulary.</li> <li>Begin to make sense of their own lifestory and family's history.</li> <li>Explore how things work.</li> <li>Plant seeds and care for growing plants.</li> <li>Understand the key features of the life-cycle of a plant and animal.</li> <li>Begin to understand the need to respect and care for the natural environment and all living things.</li> <li>Explore and talk about different forces they can feel.</li> <li>Talk about the differences between materials and changes they notice.</li> </ul>
Reception	<ul> <li>Learn new vocabulary.</li> <li>Ask questions to find out more and to check what has been said to them.</li> <li>Articulate their ideas and thoughts in wellformed sentences.</li> <li>Describe events in some detail.</li> <li>Use talk to work out problems and organise thinking and activities.</li> <li>Explain how things work and why they might happen.</li> <li>Use new vocabulary in different contexts.</li> </ul>	<ul> <li>Know and talk about the different factors that support their overall health and wellbeing:         <ul> <li>regular physical activity</li> <li>healthy eating</li> <li>tooth brushing</li> </ul> </li> <li>* sensible amounts of 'screen time'         <ul> <li>having a good sleep routine</li> <li>being a safe pedestrian</li> </ul> </li> </ul>	<ul> <li>Explore the natural world around them Describe what they see, hear and feel while they are outside.</li> <li>Recognise some environments that are different to the one in which they live.</li> <li>Understand the effect of changing seasons on the natural world around them.</li> </ul>







Science Progression	Communication and Language/ Listening, Attention and Understanding	Personal, Social and Emotional Development/ Managing Self	Understanding the World/ The Natural World
Early Learning Goals	- Make comments about what they have heard and ask questions to clarify their understanding.	- Manage their own basic hygiene and personal needs, including dressing, going to the toilet and understanding the importance of healthy food choices.	- Explore the natural world around them, making observations and drawing pictures of animals and plants.
			- Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class.
			<ul> <li>Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.</li> </ul>







Science Progression	Questioning / Using secondary sources	Planning and Predicting	Investigating and Observing		Recording
Year 1	Ask simple questions and recognise that they can be answered in different ways.	Suggest what might happen and ways to test ideas.	Use simple equipment to observe closely. Identify and classify (name and group). Use his/her observations and ideas to suggest answers to questions. Make observations using appropriate	Communicate findings in simple ways, including tables.	Gather and record data to help in answering questions.
			senses (explore using the five senses).		
Year 2	Ask simple questions about a given topic. With help, suggest questions/ ideas to recognise that they can be answered in different ways of scientific language (see the NC). Gather and record data to help in answering questions including from secondary resources of	Think about how to collect evidence. Suggest what might happen. Think about and discuss whether comparisons and simple tests are fair or unfair.	Perform simple and comparative tests. Follow simple instructions and equipment to observe closely including changes over time. Perform simple comparative tests. Identify group and classify. Use his/her observations and ideas to suggest answers to questions an ideas to suggest answers to questions noticing similarities, differences and patterns.	Gather and record data to help in answering questions, including tables and graphs	Say whether what happened was what was expected and draw simple conclusions.







information.		
Use first-hand experience and, with help, simple		