

Science Progression of Skills

	EYFS	KS1	LKS2	UKS2
Asking Questions and Carrying Out Fair and Comparative Tests	<p>Make comments about what they have heard and ask questions to clarify understanding.</p> <p>Articulate their ideas and thoughts in well formed sentences.</p> <p>Use talk to help work out problems and organise thinking and activities, and to explain how things work and why they might happen.</p> <p>Learn and use new vocabulary in different contexts.</p>	<p>Asking simple questions and recognising that they can be answered in different ways.</p> <p>Performing simple tests.</p>	<p>Asking relevant questions and using different types of scientific enquiries to answer them.</p> <p>Setting up simple practical enquiries, comparative and fair tests.</p>	<p>Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.</p> <p>Using test results to make predictions to set up further comparative and fair tests.</p>
Observing and Measuring Changes	<p>Explore the natural world around them, making observations and drawing pictures of animals and plants.</p> <p>Describe what they see, hear and feel while they are outside.</p>	<p>Observing closely, using simple equipment.</p>	<p>Making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers.</p>	<p>Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate</p>
Identifying, classifying, recording and Presenting Data	<p>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.</p>	<p>Identifying and classifying. Gathering and recording data to help in answering questions.</p>	<p>Gathering, recording, classifying and presenting data in a variety of ways to help in answering questions.</p> <p>Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables.</p>	<p>Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.</p>
Drawing Conclusions, Noticing Patterns and Presenting Findings	<p>Understand some important processes and changes in the natural world around them,</p>	<p>Using their observations and ideas to suggest answers to</p>	<p>Using results to draw simple conclusions, make predictions for new values, suggest</p>	<p>Reporting and presenting findings from enquiries, including conclusions, causal</p>

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	including the seasons and changing states of matter.	questions.	improvements and raise further questions. Reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.	relationships and explanations of and a degree of trust in results, in oral and written forms such as displays and other presentations.
Using Scientific Evidence and Secondary Sources of Information			Identifying differences, similarities or changes related to simple scientific ideas and processes. Using straightforward scientific evidence to answer questions or to support their findings.	Identifying scientific evidence that has been used to support or refute ideas or arguments.