Science Progression
Whole School
Knowledge

Skills	Reception/ ELG	1	2	3	4	5	6
Questioning	• Ask questions to find out more and to check they understand what has been said to them. • Use talk to help work out problems and organise thinking and activities explain how things work and why they might happen. ELG: • Make comments about what they have heard and ask questions to clarify their understanding; • Offer explanations for why things might happen	• asking simple questions and recognising that they can be answered in different ways		• asking relevant questions and using different types of scientific enquiries to answer them		• planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary	
Planning	ELG:	• performing simple tests		• setting up simple practical enquiries, comparative and fair tests			
Measuring	• Explore the natural world around them. ELG: • Explore the natural world around them, making observations and drawing pictures of animals and plants	• observing closely, using simple equipment		• making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers		• planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary	
Recording	• Describe what they see, hear and feel whilst outside. ELG:	• gathering and recording data to help in answering questions. • identifying and classifying		• gathering, recording, classifying and presenting data in a variety of ways to help in answering questions		• recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs • using test results to make predictions to set up further comparative and fair tests	
Presenting				• recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables		• reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations	
Concluding	• Understand the effect of changing seasons on the natural world around them. ELG: • Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.	• using their observations and ideas to suggest answers to questions		• reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions			
Evaluating	• Recognise some environments that are different to the one in which they live.			• using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions • 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.	

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	ELG: • 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;			