Progression in Working Scientifically

	Working scientifically skills **National Curriculum**	
Early Years	Key Stage 1	Lower Key Stage 2
Understanding the World – The World 40-60 months Looks closely at similarities, differences, patterns and change. ELG Children know about similarities and differences in relation to places, objects, materials and living things. They talk about the features of their own immediate environment and how environments might vary from one another. They make observations of animals and plants and explain why some things occur, and talk about changes.	• 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
	• performing simple tests	• setting up simple practical enquiries, comparative and fair tests
	• 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
	• gathering and recording data to help in answering questions.	• gathering, recording, classifying and presenting data in a variety of ways to help in answering questions • recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables
	• identifying and classifying	• identifying differences, similarities or changes related to simple scientific ideas and processes
	• using their observations and ideas to suggest answers to questions	• using straightforward scientific evidence to answer questions or to support their findings. • using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions
		• reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions