

Working Scientifically Progression

	KS1	LKS2	UKS2
Plan	ask simple questions and recognise that they can be answered in different ways	ask relevant questions and using different types of scientific enquiries to answer them	plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary
		set up simple practical enquiries, comparative and fair tests	use test results to make predictions to set up further comparative and fair tests
Do	observe closely, using simple equipment	make systematic and careful observations and , where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers	take measurements, using a range of scientific equipment, with
	perform simple tests		with increasing accuracy and precision, take repeat readings when appropriate
	identify and classify		
Record	gather and record data to help in answering questions	gather, record, classify and present data in a variety of ways to help in answering questions	record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.
		record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables	
Review	use my observations and ideas to suggest answers to questions	report on findings from enquiries, include oral and written explanations, displays or presentations of results and conclusions	report and present findings from enquiries, including conclusions, causal relationships and explanations results, explanations of and degree of trust in results, in oral and written forms such as displays and other presentations
		use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions	identify scientific evidence that has been used to support or refute ideas or arguments.
		identify differences, similarities or changes related to simple scientific ideas and processes	
		use straightforward scientific evidence to answer questions or to support their findings.	