

**Working Scientifically Progression Overview**

					Identify scientific evidence that has been used to support or refute ideas or arguments	
	Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs				Report on findings from enquiries, including written explanations, displays or presentations of results and conclusions	Use straightforward scientific evidence to answer questions or to support his/her findings
Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary	Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate				Report on findings from enquiries, including written explanations, displays or presentations of results and conclusions	Describe and evaluate their own and other people's scientific ideas related to topics, using evidence from a range of sources.
Ask relevant questions and plan different types of scientific enquiries to answer them	Take measurements, using a range of scientific equipment, with increasing accuracy and precision		Use test results to make predictions to set up further comparative and fair tests		Orally report on findings from enquiries	Describe and evaluate their own and other people's scientific ideas related to topics
Ask relevant questions and use different types of scientific enquiries to answer them (Adult led)	Take measurements, using a range of scientific equipment	Set up simple comparative tests and fair tests	Gather, record, classify and present data in a variety of ways to help in answering questions	Use his/her observations and ideas to draw simple conclusions	Gather and record data to help in answering questions including from secondary sources of information	Describe their own and other people's scientific ideas related to topics
Ask simple questions and recognise that they can be answered in different ways including use of scientific language	Use simple equipment to observe closely including changes over time	Perform fair tests	Group and classify things and recognise patterns	Use his/her observations and ideas to suggest answers to questions noticing similarities, differences and patterns	Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables	Use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions
Ask simple questions and recognise that they can be answered in different ways	Use simple equipment to observe closely	Perform simple comparative tests	Identify differences, similarities or changes related to simple scientific ideas and processes	Use his/her observations and ideas to suggest answers to questions	Gather and record data to help in answering questions	Use results to draw simple conclusions and make predictions
Ask simple questions	Observe closely	Perform simple tests	Identify differences and similarities	Observe closely	Gather and record simple data	Use results to draw simple conclusions
<b>Asking questions</b>	<b>Using equipment</b>	<b>Performing Tests</b>	<b>Identifying and Classifying</b>	<b>Observing</b>	<b>Gathering and Recording Data</b>	<b>Drawing Conclusions</b>
<b>Working Scientifically</b>						