

## Working Scientifically

	EYFS	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Plan	<ul style="list-style-type: none"> <li>Ask and discuss simple questions about the world they live in.</li> </ul>	<ul style="list-style-type: none"> <li>Begin to ask simple questions and recognise they can be answered in different ways.</li> </ul>	<ul style="list-style-type: none"> <li>Ask simple questions and recognise they can be answered in different ways.</li> </ul>	<ul style="list-style-type: none"> <li>Begin to ask relevant questions and use different types of scientific enquiries to answer them.</li> </ul>	<ul style="list-style-type: none"> <li>Ask relevant questions and use different types of scientific enquiries to answer them.</li> </ul>	<ul style="list-style-type: none"> <li>Begin to plan different types of scientific enquiries to answer questions, including different variables.</li> </ul>	<ul style="list-style-type: none"> <li>Plan different types of scientific enquiries to answer questions, including different variables.</li> </ul>
Do	<ul style="list-style-type: none"> <li>Look closely and observe similarities, differences, patterns and change.</li> <li>Explore a variety of materials, tools and techniques.</li> </ul>	<ul style="list-style-type: none"> <li>Observe closely, using some simple equipment.</li> <li>Perform simple tests with support.</li> <li>Begin to identify and classify with some support.</li> </ul>	<ul style="list-style-type: none"> <li>Observe closely, using simple equipment.</li> <li>Perform simple tests.</li> <li>Identify and classify.</li> </ul>	<ul style="list-style-type: none"> <li>Set up some simple practical enquiries, comparative and fair tests.</li> <li>Begin to make systematic and careful observations, take measurements gather, record, classify and present data in a variety of ways.</li> </ul>	<ul style="list-style-type: none"> <li>Set up simple practical enquiries, comparative and fair tests.</li> <li>Make systematic and careful observations, take accurate measurements gather, record, classify and present data in a variety of ways.</li> </ul>	<ul style="list-style-type: none"> <li>Begin to take measurements, using a range of scientific equipment with increasing accuracy.</li> </ul>	<ul style="list-style-type: none"> <li>Take measurements, using a range of scientific equipment with increasing accuracy.</li> </ul>
Record	<ul style="list-style-type: none"> <li>With support, represent their own ideas, through thoughts and</li> </ul>	<ul style="list-style-type: none"> <li>Begin to gather and record data with adult support to help answer questions.</li> </ul>	<ul style="list-style-type: none"> <li>Gather and record data to help answer questions.</li> </ul>	<ul style="list-style-type: none"> <li>Begin to record findings using scientific language, diagrams, drawings, keys,</li> </ul>	<ul style="list-style-type: none"> <li>Record findings using scientific language, diagrams, drawings, keys, bar charts and tables.</li> </ul>	<ul style="list-style-type: none"> <li>Begin to record data and results of increasing complexity. Use diagrams, labels,</li> </ul>	<ul style="list-style-type: none"> <li>Record data and results of increasing complexity. Use diagrams, labels, classification</li> </ul>

	feelings and diagrams.			bar charts and tables.		classification keys, tables and graphs.	keys, tables and graphs.
Review	<ul style="list-style-type: none"> <li>○ Talk about observations of the world.</li> <li>○ Begin to explain why some things occur and discuss changes.</li> </ul>	<ul style="list-style-type: none"> <li>○ Begin to use observations and ideas to suggest answers to questions.</li> </ul>	<ul style="list-style-type: none"> <li>○ Use observations and ideas to suggest answers to questions.</li> </ul>	<ul style="list-style-type: none"> <li>○ Simple oral and written explanations using some scientific language.</li> <li>○ Begin to use results to draw simple conclusions.</li> <li>○ Identify differences, similarities and change.</li> <li>○ Begin to use scientific evidence to answer questions.</li> </ul>	<ul style="list-style-type: none"> <li>○ More in depth oral and written explanations using more scientific language.</li> <li>○ Use results to draw simple conclusions.</li> <li>○ Identify differences, similarities and change.</li> <li>○ Use scientific evidence to answer questions.</li> </ul>	<ul style="list-style-type: none"> <li>○ Begin to use test results to make predictions to set up further tests.</li> <li>○ Begin to report and present findings including conclusions, relationships and explanations.</li> <li>○ Begin to identify scientific evidence that has been used to support or refute ideas.</li> </ul>	<ul style="list-style-type: none"> <li>○ Use test results to make predictions to set up further tests.</li> <li>○ Report and present findings including conclusions, relationships and explanations.</li> <li>○ Identify scientific evidence that has been used to support or refute ideas.</li> </ul>