



Science Curriculum Overview: Working Scientifically

**YEAR 5**

*These objectives should be covered repetitively throughout each topic – not as an isolated topic.*

<b>Planning, communication and sources</b>	
	<ul style="list-style-type: none"><li>Record observations systematically</li></ul>
	<ul style="list-style-type: none"><li>Use appropriate scientific language and conventions to communicate quantitative and qualitative data</li></ul>
	<ul style="list-style-type: none"><li>Select a range of appropriate sources of information including books, internet and CD Rom</li></ul>

<b>Enquiring, testing, obtaining and presenting evidence</b>	
	<ul style="list-style-type: none"><li>Use previous knowledge and experience combined with experimental evidence to provide scientific explanations</li></ul>
	<ul style="list-style-type: none"><li>Recognise the key factors to be considered in carrying out a fair test</li></ul>

<b>Observing and recording</b>	
	<ul style="list-style-type: none"><li>Make a series of observations, comparisons and measurements with increasing precision</li></ul>
	<ul style="list-style-type: none"><li>Select apparatus for a range of tasks</li></ul>
	<ul style="list-style-type: none"><li>Plan to use apparatus effectively</li></ul>
	<ul style="list-style-type: none"><li>Begin to make repeat observations and measurements systematically</li></ul>

<b>Considering evidence and evaluating</b>	
	<ul style="list-style-type: none"><li>Make predictions based on their scientific knowledge and understanding</li></ul>
	<ul style="list-style-type: none"><li>Draw conclusions that are consistent with the evidence</li></ul>
	<ul style="list-style-type: none"><li>Relate evidence to scientific knowledge and understanding</li></ul>
	<ul style="list-style-type: none"><li>Offer simple explanations for any differences in their results</li></ul>
	<ul style="list-style-type: none"><li>Make practical suggestions about how their working methods could be improved</li></ul>