



**Hebden Royd CE Primary School**  
**Working Scientifically Skills Progression**

KS1		
question answer observe observing equipment identify	classify sort group record: diagram, chart, map data compare, contrast, describe	biology chemistry physics
LKS2		
<b>*research:</b> relevant questions, scientific enquiry <b>*comparative and fair test</b> systematic, careful observations <b>*accurate measurement</b> <b>*equipment:</b> thermometer, data logger <b>*data:</b> gather, record, classify, present	<b>*record:</b> drawings, labelled diagrams, keys, bar charts, tables <b>*oral and written explanations</b> <b>*conclusion</b> <b>*prediction</b> <b>*differences, similarities, changes</b> <b>*evidence</b>	<b>*improve</b> <b>*secondary sources</b> <b>*guides, keys</b> <b>*construct</b> <b>*interpret</b>
UKS2		
<b>*plan</b> <b>*variables</b> <b>*measurements</b> <b>*accuracy</b> <b>*precision</b> <b>*repeat readings</b> <b>*report data:</b> scientific diagrams, labels, classification keys, tables, scatter graphs, bar graph and line graphs	<b>*predictions</b> <b>*further comparative and fair tests</b> <b>*report and present:</b> conclusions, causal relationship, explanations, degree of trust, oral and written display and presentation	<b>*evidence:</b> support, refute ideas or arguments <b>*identify, classify and describe</b> <b>*patterns</b> <b>*systematic</b> <b>*quantitative measurement</b>