

## Science – Progression of key scientific enquiry skills

Key scientific aim	Phase 1 (Years 1 and 2)	Phase 2 (Years 3 and 4)	Phase 3 (Years 5 and 6)
<b>Develop an enquiring mind and question</b>	Ask simple questions	Ask questions and then watch for an answer	Plan experiments and enquiries to answer the questions that come from hearing and discussing information and increasing knowledge
<b>Experiment and test ideas</b>	Perform a simple test	Set up a test and start to understand the concept of fair testing and use it to compare different components	Test with varying variables Use observed results and set up further tests using fair testing to control accuracy
<b>Measure and record</b>	Observe closely using simple equipment and demonstrations	Work systematically and use standard units Use thermometers and data loggers	Use a wider range of equipment to measure and record results with increasing precision
<b>Identify, classify</b>	Verbally identify and classify. Draw and label	Present data in different ways Draw, label diagrams, be introduced to keys, Bar charts and tables	Evidence increasing complexity of recording – use diagrams with labels, keys, tables, scatter graphs and line graphs
<b>Explain and report</b>	Explain verbally to draw conclusions Gather and record simple ideas	Report on findings – experience spoken and written presentations and displays of thinking	Present findings with an understanding of scientific content. Include verbal presentations, written reports and visual displays and show an understanding of causal relationships and conclusions
<b>Use scientific theory to support</b>	Gather data and discuss together how it supports ideas and theories	Look for similarities and differences Draw conclusions and make predictions	Identify scientific evidence to support or refute scientific theories and ideas