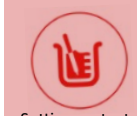
Scientific Skills Progression

	Year 1 and 2	Year 3 and 4	Year 5 and 6
 Asking Questions	⇒ Ask simple questions and recognize they can be answered in different ways	⇒ Ask relevant questions and using different types of scientific enquiries to answer them ⇒ Use results to raise further questions	⇒ Ask relevant questions, suggesting different types of enquiry to answer them ⇒ Use results to raise further questions
 Predicting	⇒ To make simple predictions based upon their knowledge	⇒ Use results to make predictions for further results based upon previous results and own knowledge	⇒ Use test results to make predications and to set up further comparative and fair tests
 Setting up tests	⇒ Perform simple tests using simple equipment	⇒ Set up simple practical enquiries, comparative and fair tests ⇒ Use results to suggest improvements for an enquiry	⇒ Plan different types of scientific enquires to answer questions, including recognising and controlling variables where necessary
 Observing	⇒ Use simple measurements and equipment ⇒ Observe similarities and differences closely	⇒ Make systematic and careful observations and, where appropriate, take accurate measurements using standard units and a range of equipment	⇒ Take measurements using a range of scientific equipment with increasing accuracy and precision
 Recording	⇒ Gather and record data to help answer questions	⇒ Record findings using simple scientific language, drawings, labelled diagrams and keys ⇒ Gather, record and classify data in a variety of ways ⇒ Record findings using bar charts and tables	⇒ Record data and results of increasing complexity ⇒ Portray data using tables, scatter graphs, bar and line graphs
 Communicating results	⇒ Talk about what they found out and how it can be used in a wider context ⇒ Use simple secondary sources to find answers ⇒ Communicate in a range of ways and being to use simple scientific vocabulary	⇒ Use results to draw simple conclusions ⇒ Identify differences, similarities or changes to simple scientific ideas and processes ⇒ Use straightforward scientific evidence to answer questions or to support their findings	⇒ Use scientific diagrams, labels, classification keys to represent scientific knowledge ⇒ Report and present findings from enquiries, including conclusions, causal relationships and
 Evaluating	⇒ Use observations and ideas to suggest answers to questions	⇒ Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions ⇒ Present data in a variety of ways	⇒ Discuss whether results are trustworthy, In oral and written forms, such as displays and other presentations