Booker Avenue Junior School

Skills Progression for Science

	Key Skills Years 3 and 4	Key Skills Years 5 and 6
	Begin to / Be supported in…	Be secure in…
• Plan	• Pick a hypothesis from a list and then plan different types of scientific enquiries to answer it, including recognising and controlling variables where necessary • Make a prediction • Use test results to make predictions to set up further comparative and fair tests	• Ask questions and develop a line of enquiry based on observations of the real world alongside prior knowledge and experience • Make predictions using scientific knowledge and understanding • Select, plan and carry out the most appropriate types of scientific enquiries to test predictions…
• Do	• Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate	• Carry out the most appropriate types of scientific enquiries to test predictions…
• Record	• Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs	• Make and record observations and measurements using a range of methods for different investigations; and evaluate the reliability of methods and suggest possible improvements • Present observations and data using appropriate methods, including tables and graphs
• Review	• Report and present findings from enquiries, including conclusions, causal relationships and explanations results, explanations of and degree of trust in results, in oral and written forms such as displays and other presentations • Identify scientific evidence that has been used to support or refute ideas or arguments. • Recall and use scientific vocabulary	• Interpret observations and data, including identifying patterns and using observations, measurements and data to draw conclusions • Present reasoned explanations, including data in relation to predictions and hypotheses • Evaluate data, showing awareness of potential sources of error • Identify further questions arising from results • Recall, use and explain the meaning of scientific vocabulary