



Working scientifically at Kingswood: what a Kingswood scientist should look like

	EYFS	Ks1	Lower ks2	Upper Ks2
Asking questions	I ask simple questions	I question why things happen	I ask my own questions and I use different ways to answer them	I ask my own questions, using different kinds of questions and ways to answer them
Planning an experiment	I have my own ideas and can test them	I have my own ideas and can test them scientifically using simple tests	I set up my own simple tests using my own scientific ideas	I can set up fair tests when necessary, explaining how and why they are fair
Making predictions	I notice similarities and differences, using my senses to look closely	I observe closely to compare things, sort and group them in order to make predictions.	I draw simple conclusions and make plausible predictions for new values	I can decide what observations to make and what predictions will go with them
Recording and observing an experiment	I use equipment and tools carefully	I use simple equipment and tools to make measurements	I use different equipment to measure. I make careful observations accurately in standard units	I use different scientific equipment to measure with precision. I take repeat readings when appropriate.



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Findings	I can create simple representations of people and objects I can talk about things like plants, animals, natural and found objects	I gather and record simple data in different ways I talk about what I have found out	I gather, record, classify and present data in different ways including drawings, labelled diagrams, keys, bar charts and tables I explain what I have found out using speaking and writing	I decide how to record data and results. I can use scientific diagrams, labels, classification, keys, tables, scatter, bar and line graphs I report and present findings using speaking and writing including displays and presentations
CONCLUSION	I begin to use science words and I question why things happen	I use simple scientific language to make a conclusion. I recognise that questions can be answered in different ways	I use relevant scientific language to suggest improvements and raise further questions	I use relevant language and illustrations alongside my results to make predictions and set up more tests (including fair tests)