



	Asking questions	Using equipment	Carry out tests	Group and classify	Evidence	Data	Communicate findings	Scientific explanations	Predictions and conclusions
Year 1	I can ask questions and know they can be answered in different ways.	I can look closely using equipment.	I can do tests	I can name and group	I can use my observations and ideas to suggest answers to questions	I can collect and record data to help answer questions			
Year 2		I can take measurements by using equipment.					I can communicate my ideas, what I do, and what I find out in a variety of ways		
Year 3	I can ask questions and use scientific enquiry to answer them.	I can make observations and take measurements using standard units, using a range of equipment, including thermometers and data loggers.	I can set up simple practical enquiries, comparative and fair tests	I can explain differences, similarities or changes related to simple scientific ideas and processes	I can use straightforward scientific evidence to answer questions or to support my findings	I can gather, record, classify and present data in a variety of ways to help in answering questions	I can report on findings from enquiries, including spoken and written explanations, displays or presentations of results and conclusions	I can record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts and tables	I can use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions
Year 4	I can ask relevant questions	I can make systematic and careful		I can identify differences, similarities or	I can use scientific evidence to				

	and use different types of scientific enquiries to answer them.	observations and take accurate measurements using standard units, using a range of equipment, including thermometers and data loggers		changes related to scientific ideas and processes	answer questions or to support my findings				
Year 5	I can plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.	I can take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings where appropriate	I can describe and evaluate my own and other people's scientific ideas using evidence from a range of sources	I can group and classify things and recognise patterns	I can identify scientific evidence that has been used to support or refute ideas or arguments	I record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs	I can talk about and present findings from enquiries, including conclusions, causal relationships and explanations of how reliable the information is		I can use test results to make predictions to set up further comparative and fair tests
Year 6		I can take accurate measurements, using a range of scientific equipment taking repeat				I record complex data and results using scientific diagrams and labels,			

		readings where appropriate				classification keys, tables, scatter graphs, bar and line graphs	relationships and explanations of and degree of trust in results, in oral and written forms such as displays and presentations	my methods and findings	
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