

Science Skills Progression 2023-2024



	Year 1	Year 2	Year 3	Year 4	Year 5	Year 6
Asking Questions	<ul style="list-style-type: none"> Ask simple questions and recognise they can be answered in different ways. 	<ul style="list-style-type: none"> Ask simple questions and recognise they can be answered in different ways including use of scientific language 	<ul style="list-style-type: none"> Ask relevant questions and use different types of scientific enquiries to answer them Set up simple practical enquiries, comparative and fair tests 	<ul style="list-style-type: none"> Ask relevant questions and use different types of scientific enquiries to answer them Set up simple practical enquiries, comparative and fair tests 	<ul style="list-style-type: none"> Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary 	<ul style="list-style-type: none"> Plan different types of scientific enquiries to answer their own or other's questions, including recognising and controlling variables where necessary
Measuring and Recording	<ul style="list-style-type: none"> Observe closely, using simple equipment Perform simple tests Gather and record data to help in answering questions 	<ul style="list-style-type: none"> Observe closely, using simple equipment including changes over time Perform simple comparative test Communicate ideas, what they find out in a variety of ways Gather and record data to help in answering questions including from secondary sources of information 	<ul style="list-style-type: none"> Make systematic and careful observations and, where appropriate, take accurate measurements using standard units, using a range of equipment, including thermometers and data loggers Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables Gather, record, classify and present data in a variety of ways to help in answering questions 	<ul style="list-style-type: none"> Make systematic and careful observations and, where appropriate, take accurate measurements using standard units, using a range of equipment, including thermometers and data loggers Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables Gather, record, classify and present data in a variety of ways to help in answering questions 	<ul style="list-style-type: none"> Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs 	<ul style="list-style-type: none"> Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs Group and classify things and recognise patterns

<p>Concluding</p>	<ul style="list-style-type: none"> • Identify and classify • Use their observations and ideas to suggest answers to questions 	<ul style="list-style-type: none"> • Identify, group and classify • Use their observations and ideas to suggest answers to questions noticing similarities, differences and patterns 	<ul style="list-style-type: none"> • Use straightforward scientific evidence to answer questions or to support their findings 	<ul style="list-style-type: none"> • Use straightforward scientific evidence to answer questions or to support their findings 	<ul style="list-style-type: none"> • Identify scientific evidence that has been used to support or refute ideas or arguments • Report and present findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations 	<ul style="list-style-type: none"> • Identify scientific evidence that has been used to support or refute ideas or arguments • Report and present findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations • Find things out using a wide range of secondary sources
<p>Evaluating</p>			<ul style="list-style-type: none"> • Use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions 	<ul style="list-style-type: none"> • Use results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions 	<ul style="list-style-type: none"> • Use test results to make predictions to set up further comparative and fair tests 	<ul style="list-style-type: none"> • Use test results to make predictions to set up further comparative and fair tests • Describe and evaluate their own and other people’s scientific ideas using evidence from a range of sources • Use appropriate scientific language and ideas to explain evaluate and communicate their methods and findings