

SCIENCE LONG TERM PLAN

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 3	Plants	Forces and magnets	Animals, including humans	Rocks	Light	Consolidation
Year 4	Animals, including humans	Electricity	Living things and their habitats	Sound	States of matter	Consolidation
Year 5	Properties and changes of materials	Living things and their habitats	Forces	Animals, including humans	Earth and space	Consolidation
Year 6	Light	Evolution and inheritance	Electricity	Living things and their habitats	Animals including humans	Consolidation

SCIENCE LONG TERM PLAN

WORKING SCIENTIFICALLY

Expectations for Lower KS2 (Years 3 and 4)	Expectations for Upper KS2 (Years 5 and 6)
<p data-bbox="203 311 1104 416">During years 3 and 4, pupils should be taught to use the following practical scientific methods, processes and skills through the teaching of the programme of study content:</p> <ul data-bbox="253 422 1104 1206" style="list-style-type: none"><li data-bbox="253 422 1104 491">• asking relevant questions and using different types of scientific enquiries to answer them<li data-bbox="253 497 1104 566">• setting up simple practical enquiries, comparative and fair tests<li data-bbox="253 572 1104 719">• making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers<li data-bbox="253 726 1104 794">• gathering, recording, classifying and presenting data in a variety of ways to help in answering questions<li data-bbox="253 801 1104 869">• recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables<li data-bbox="253 876 1104 981">• reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions<li data-bbox="253 987 1104 1056">• using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions<li data-bbox="253 1062 1104 1206">• Identifying differences, similarities or changes related to simple scientific ideas and processes using straightforward scientific evidence to answer questions or to support their findings.	<p data-bbox="1135 311 2031 416">During years 5 and 6, pupils should be taught to use the following practical scientific methods, processes and skills through the teaching of the programme of study content:</p> <ul data-bbox="1184 422 2031 1056" style="list-style-type: none"><li data-bbox="1184 422 2031 528">• planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary<li data-bbox="1184 534 2031 639">• taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate<li data-bbox="1184 646 2031 751">• recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs<li data-bbox="1184 758 2031 831">• using test results to make predictions to set up further comparative and fair tests<li data-bbox="1184 837 2031 1056">• reporting and presenting 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 identifying scientific evidence that has been used to support or refute ideas or arguments.