



	Autumn	Spring	Summer
Year 1	What lives on our planet? NC reference: Animals, including humans (Autumn Term) What are objects made out of and why do we use them? NC reference: Everyday materials Sensing Seasons	Plant Detectives NC reference: Plants Sensing Seasons NC reference: Seasonal changes (spring)	Animals Antics! NC reference: Animals, including humans Sensing Seasons NC reference: Seasonal changes (summer)
Year 2	Where do animals live and why? NC reference: Living things in their habitats Which material shall I use? NC reference: Everyday materials	Which material shall I use? NC reference: Everyday Materials How do we take care of ourselves? NC reference: Animals, including humans	Growing Up! NC reference: Animals, including humans The Apprentice Gardener NC reference: Plants
Year 3	Rock Detectives NC reference: Rocks	Can You See Me? NC reference: Light The Power of Forces! NC reference: Forces and magnets	How does Your Garden Grow? NC reference: Plants Our Amazing Bodies! NC reference: Animals, including humans
Year 4	Recognising the dangers, sources, risks and safety aspects of electricity NC reference: Electricity Do I understand some of the properties of solids, liquids and gases? NC reference: States of matter	Do I understand some of the properties of solids, liquids and gases? NC reference: States of matter How do we hear? NC reference: Sound	Local living things - what are they? NC reference: Living things and their habitats Finding the answers to questions about digestion, teeth and food chains NC reference: Animals, including humans
Year 5	How do forces change the way objects move? NC reference: Forces How are materials used in the everyday world? NC reference: Properties of materials	Out of this World! NC reference: Earth and Space	The Circle of Life! NC reference: Living things and their habitats How do humans change as they get older? NC reference: Animals, including humans
Year 6	Can you sort this mess? How are living things grouped together? NC reference: Living things and their habitats Everything Changes! NC reference: Evolution and inheritance	Danger! Danger! Low Voltage! NC reference: Electricity Light Up Your World! NC reference: Light	Body Pump! NC reference: Animals, including humans





Year 1: Working Scientifically

During years 1 and 2, pupils should be taught to use the following practical scientific methods, processes and skills through the teaching of the programme of study content:

- 1.1 asking simple questions and recognising that they can be answered in different ways
- 1.2 observing closely, using simple equipment
- **1.3** performing simple tests
- 1.4 identifying and classifying
- 1.5 using their observations and ideas to suggest answers to questions
- 1.6 gathering and recording data to help in answering questions.





Year 2: Working Scientifically

During years 1 and 2, pupils should be taught to use the following practical scientific methods, processes and skills through the teaching of the programme of study content:

- 2.1 asking simple questions and recognising that they can be answered in different ways
- 2.2 observing closely, using simple equipment
- 2.3 performing simple tests
- 2.4 identifying and classifying
- 2.5 using their observations and ideas to suggest answers to questions
- 2.6 gathering and recording data to help in answering questions.





Year 3: Working Scientifically

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:

- 3.1 asking relevant questions and using different types of scientific enquiries to answer them
- 3.2 setting up simple practical enquiries, comparative and fair tests
- 3.3 making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers
- **3.4** gathering, recording, classifying and presenting data in a variety of ways to help in answering questions
- 3.5 recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables
- **3.6** reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions
- 3.7 using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions
- 3.8 identifying differences, similarities or changes related to simple scientific ideas and processes
- 3.9 using straightforward scientific evidence to answer questions or to support their findings.





Year 4: Working Scientifically

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:

- **4.1** asking relevant questions and using different types of scientific enquiries to answer them
- **4.2** setting up simple practical enquiries, comparative and fair tests
- **4.3** making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers
- **4.4** gathering, recording, classifying and presenting data in a variety of ways to help in answering questions
- **4.5** recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables
- **4.6** reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions
- **4.7** using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions
- **4.8** identifying differences, similarities or changes related to simple scientific ideas and processes
- **4.9** using straightforward scientific evidence to answer questions or to support their findings.





Year 5: Working Scientifically

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:

- **5.1** planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary
- **5.2** taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate
- **5.3** recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs
- 5.4 using test results to make predictions to set up further comparative and fair tests
- **5.5** 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
- 5.6 identifying scientific evidence that has been used to support or refute ideas or arguments.





Year 6: Working Scientifically

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:

- **6.1** planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary
- **6.2** taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate
- **6.3** recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs
- 6.4 using test results to make predictions to set up further comparative and fair tests
- **6.5** 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
- **6.6** identifying scientific evidence that has been used to support or refute ideas or arguments.