

Science Overview

EYFS	Autumn One	Autumn Two	Spring One	Spring Two	Summer One	Summer Two
Cycle A	What is your Super Power? (Materials/senses)	Into the Woods (Autumn, change of seasons)	People Who Help Us (Teeth and healthy bodies)	Amazing Animals (Exploring animals around the globe, change of seasons)	Come Outside (Minibeasts, explore the local area)	Our Oceans (Under the sea, looking after our world)
Cycle B	Rainbows and Stars/ Terrific tales (Natural world, animals and plants)	Light and Dark (Light and dark, night and day, nocturnal animals)	Winter Wonderland (Weather, melting and freezing)	Our Home, Our Planet (Exploring the globe/our planet, change of seasons)	Journeys and Transport (Living on a wider map)	Kings, Queens and Castles (Materials)

ELG's: The Natural World/Communication and Language

- Explore the natural world around them, making observations and drawing pictures of animals and plants.
- Understand some important processes and changes in the natural world around them, including the seasons and changing states of matter.
- Know some similarities and differences between the natural world around them and contrasting environments, drawing on their experiences and what has been read in class.
- Listen attentively and respond to what they hear with relevant questions, comments and actions.
- Offer explanations for why things might happen, making use of recently introduced vocabulary.



Love



Friendship



Compassion



Community



Trust



Forgiveness

Year One	Autumn One	Autumn Two	Spring One	Spring Two	Summer One	Summer Two
Cycle A	Animals, including humans (Human Body Parts and Senses) (Y1) Observing over Time Identifying and Classifying Research Comparative and Fair Testing Pattern Seeking	Everyday Materials (Y1) Identifying and Classifying Pattern Seeking Research Comparative and Fair Testing	Seasonal Changes Observing over Time Pattern Seeking Research Identifying and classifying	Animals Including Humans (Classifying Animals) (Y1) Observing over Time Identifying and Classifying Research Comparative and Fair Testing Pattern Seeking	Investigations Pattern seeking Observing over Time Identifying and Classifying	Plants (Y1) Pattern Seeking Observing over Time Identifying and Classifying Research

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:

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| <ul style="list-style-type: none"> Gathering and recording data to help in answering questions. Asking simple questions and recognising that they can be answered in different ways Observing closely, using simple equipment | <ul style="list-style-type: none"> Performing simple tests Identifying and classifying Using their observations and ideas to suggest answers to questions |
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Year Two	Autumn One	Autumn Two	Spring One	Spring Two	Summer One	Summer Two
Cycle A	Investigations Pattern seeking Observing over Time Identifying and Classifying	Animals, including humans (Y1) Observing over Time Identifying and Classifying Research Comparative and Fair Testing Pattern Seeking	Plants (Y1) Pattern Seeking Observing over Time Identifying and Classifying Research	Seasonal Changes: Observing over Time Pattern Seeking Research Identifying and classifying	Animals, including humans (Y2) Observing over Time Research	Plants (Y2) Pattern Seeking Identifying and Classifying Observing over Time Research Comparative and Fair Testing
Seasonal changes to be revisited throughout the year						
Cycle B	Investigations Pattern seeking Observing over Time Identifying and Classifying	Everyday Materials (Y1) Identifying and Classifying Pattern Seeking Research Comparative and Fair Testing	Living things and their habitats (Y2) Objectives 1 and 3 Identifying and Classifying	Living things and their habitats (Y2) Objectives 2 and 4 Observing over Time Pattern Seeking	Uses of Everyday Materials (Y2) Observing over time Comparative and Fair Testing Identifying and Classifying	Uses of Everyday Materials (Y2) Non- statutory Research Find out about people who have developed new materials.
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:						
<ul style="list-style-type: none"> Gathering and recording data to help in answering questions. Asking simple questions and recognising that they can be answered in different ways Observing closely, using simple equipment 			<ul style="list-style-type: none"> Performing simple tests Identifying and classifying Using their observations and ideas to suggest answers to questions 			



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Science LTP						
Year Three & Four	Autumn One	Autumn Two	Spring One	Spring Two	Summer One	Summer Two
Cycle A	Investigations Comparative and fair testing Pattern seeking	Animals, including humans (Y3) Research Identifying and Classifying	Forces and Magnets (Y3) Comparative and Fair Testing Pattern Seeking Identifying and Classifying Research	Light (Y3) Observing over Time Identifying and Classifying Pattern Seeking	Animals, including humans (Y4) Identifying and Classifying Research Pattern seeking Comparative and fair testing	Plants (Y3) Pattern Seeking Observing over time, Comparative and Fair Testing
Cycle B	Investigations Comparative and fair testing Pattern seeking	Rocks (Y3) Research Observing over Time Identifying and Classifying Comparative and Fair Testing	States of Matter (Y4) Identifying and Classifying Observing over Time Comparative and Fair Testing Research	Sound (Y4) Comparative and Fair Testing Research Identifying and Classifying Pattern Seeking	Electricity (Y4) Identifying and Classifying Comparative and Fair Testing Pattern Seeking	Living things and their habitats (Y4) Identifying and Classifying Pattern Seeking Observing over Time Research

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:

- Asking relevant questions and using different types of scientific enquiries to answer them
- Setting up simple practical enquiries, comparative and fair tests
- Making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers
- Gathering, recording, classifying and presenting data in a variety of ways to help in answering questions
- Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables
- Reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions
- Using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions



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Identifying differences, similarities or changes related to simple scientific ideas and processes using straightforward scientific evidence to answer questions or to support their findings.

Science LTP						
Year Five & Six	Autumn One	Autumn Two	Spring One	Spring Two	Summer One	Summer Two
Cycle A	Investigations Comparative and fair testing Pattern seeking Identifying and Classifying	Animals, including humans (Y5) Research Pattern Seeking Comparative and Fair Testing Identifying and Classifying Observing over Time	Forces (Y5) Comparative and Fair Testing Pattern Seeking Research	Earth and Space (Y5) Pattern Seeking Identifying and Classifying Research	Animals, including humans (Y6) Research Pattern Seeking	Evolution and Inheritance (Y6) Observing over Time Research Identifying and Classifying Pattern Seeking
Cycle B	Investigations Comparative and fair testing Pattern seeking Observing over Time	Living things and their habitats (Y5) Observing over Time Research Pattern Seeking	Properties and changes of materials (Y5) Observing over Time Comparative and Fair Testing Identifying and Classifying Research	Electricity (Y6) Comparative and Fair Testing Pattern Seeking	Living things and their habitats (Y6) Identifying and Classifying Research	Light (Y6) Comparative and Fair Testing Research Observing over Time

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:

- Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary
- Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate
- Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs
- Using test results to make predictions to set up further comparative and fair tests
- 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



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Trust



Forgiveness



Identifying scientific evidence that has been used to support or refute ideas or arguments



Love



Friendship



Compassion



Community



Trust



Forgiveness