
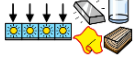





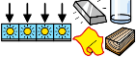


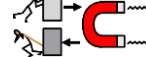


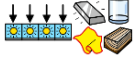






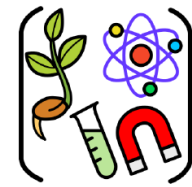
Curriculum Overview: Science

Key Stage 2 Nurture	Term 1 	Term 2 	Term 3 	Term 4 	Term 5 	Term 6 
Year A 2024-2025	<p>Identifying Plants</p> <p><b>Knowledge:</b> S1.7 I can identify and name a range of common plants and compare their structure.</p> <p><b>Skills:</b> Stage 1.1 I can ask simple questions Stage 1.2 I can make simple observations Stage 1.3 I can perform simple tests</p>	<p>Everyday Materials</p> <p><b>Knowledge:</b> Stage 1.11 I can name and compare a range of everyday materials and investigate their properties.</p> <p><b>Skills:</b> Stage 1.2 I can make simple observations Stage 1.3 I can perform simple tests Stage 1.5 I can use observations to suggest answers to questions.</p>	<p>Super Scientists (Senses)</p> <p><b>Knowledge:</b> Stage 1.16 I can name some important scientists. Stage 1.17 I can say what scientists do Stage 1.18 I can say which part of the body is associated with each sense</p> <p><b>Skills:</b> Stage 1.1 I can ask simple questions Stage 1.2 I can make simple observations</p>	<p>All About Me</p> <p><b>Knowledge:</b> Stage 1.8 I can identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense</p> <p><b>Skills:</b> Stage 1.1 I can ask simple questions Stage 1.2 I can make simple observations</p>	<p>Tombs, Torches and Timekeepers</p> <p><b>Knowledge:</b> Stage 1.5 I can recognise that light is needed to see things and that it can be reflected from surfaces.</p> <p><b>Skills:</b> Stage 1.3 I can perform simple tests Stage 1.4 I can gather and record data to help answer questions. Stage 1.5 I can use observations to suggest answers to questions.</p>	<p>Seasonal Changes</p> <p><b>Knowledge:</b> Stage 1.10 I can name and identify the main features of each of the different seasons.</p> <p><b>Skills:</b> Stage 1.3 I can perform simple tests Stage 1.4 I can gather and record data to help answer questions. Stage 1.5 I can use observations to suggest answers to questions.</p>





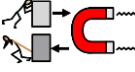



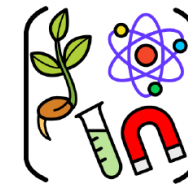
Curriculum Overview: Science

Key Stage 2	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Year A 2024-2025	 <p>Identifying Animals</p> <p><b>Knowledge:</b> Stage 1.6 I can identify a range of common animals and compare their structure.</p> <p><b>Skills:</b> Stage 1.2 I can make simple observations Stage 1.3 I can perform simple tests Stage 1.5 I can use observations to suggest answers to questions.</p>	 <p>Everyday Materials</p> <p><b>Knowledge:</b> Stage 1.11 I can name and compare a range of everyday materials and investigate their properties.</p> <p><b>Skills:</b> Stage 1.2 I can make simple observations Stage 1.3 I can perform simple tests Stage 1.5 I can use observations to suggest answers to questions.</p>	 <p>Super Scientists (Senses)</p> <p><b>Knowledge:</b> Stage 1.16 I can name some important scientists. Stage 1.17 I can say what scientists do Stage 1.18 I can say which part of the body is associated with each sense</p> <p><b>Skills:</b> Stage 1.1 I can ask simple questions Stage 1.2 I can make simple observations</p>	 <p>My Body</p> <p><b>Knowledge:</b> Stage 1.8 I can identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense</p> <p><b>Skills:</b> Stage 1.1 I can ask simple questions Stage 1.2 I can make simple observations</p>	 <p>Forces and Magnets</p> <p><b>Knowledge:</b> Stage 1.14 I can observe the behaviour of magnets and their effect on other materials</p> <p><b>Skills:</b> Stage 1.3 I can perform simple tests Stage 1.4 I can gather and record data to help answer questions. Stage 1.5 I can use observations to suggest answers to questions.</p>	 <p>Living in Habitats</p> <p><b>Knowledge:</b> Stage 1.9 I can identify that most living things live in habitats that they are suited to and can describe how different habitats provide for the basic needs of different kinds of animals and plants.</p> <p><b>Skills:</b> Stage 1.2 I can make simple observations Stage 1.3 I can perform simple tests Stage 1.5 I can use observations to suggest answers to questions.</p>
Year B	 <p>Living in Environments</p> <p><b>Knowledge:</b> Stage 1.9 I can identify that most living things live in habitats that they are suited to and can describe how different habitats provide for the</p>	 <p>Exploring Everyday Materials</p> <p><b>Knowledge:</b> Stage 1.12 I can identify and name a range of materials and describe their properties</p> <p><b>Skills:</b> Stage 1.2 I can make simple observations</p>	 <p>What do Scientists do?</p> <p><b>Knowledge:</b> Stage 1.16 I can name some important scientists. Stage 1.17 I can say what scientists do</p> <p><b>Skills:</b> Stage 1.2 I can make simple observations</p>	 <p>Growth and Survival</p> <p><b>Knowledge:</b> Stage 1.6 I can identify a range of common animals and compare their structure. I can identify that most living things live in habitats that they are suited to and can</p>	 <p>Changing Sound</p> <p><b>Knowledge:</b> Stage 2.15 I can identify and investigate how sounds are made and can be changed.</p> <p><b>Skills:</b> Stage 1.2 I can make simple observations Stage 1.3 I can perform simple tests</p>	 <p>Life Cycles</p> <p><b>Knowledge:</b> Stage 1.6 I can identify a range of common animals and compare their structure.</p> <p><b>Skills:</b> Stage 1.2 I can make simple observations</p>



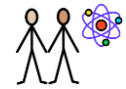



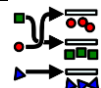




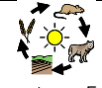


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	<p>basic needs of different kinds of animals and plants.</p> <p><b>Skills:</b> Stage 1.2 I can make simple observations Stage 1.3 I can perform simple tests Stage 1.5 I can use observations to suggest answers to questions.</p>	<p>Stage 1.3 I can perform simple tests Stage 1.4 I can gather and record data to help answer questions. Stage 1.5 I can use observations to suggest answers to questions.</p>	<p>Stage 1.3 I can perform simple tests Stage 1.4 I can gather and record data to help answer questions. Stage 1.5 I can use observations to suggest answers to questions.</p>	<p>describe how different habitats provide for the</p> <p><b>Skills:</b> Stage 1.2 I can make simple observations Stage 1.3 I can perform simple tests Stage 1.5 I can use observations to suggest answers to questions.</p>	<p>Stage 1.5 I can use observations to suggest answers to questions.</p>	<p>Stage 1.5 I can use observations to suggest answers to questions.</p>
Year C	 <p style="text-align: center;">Rocks</p> <p><b>Knowledge:</b> Stage 3.11 I can compare and group different rocks</p> <p><b>Skills:</b> Stage 1.2 I can make simple observations Stage 1.3 I can perform simple tests Stage 1.5 I can use observations to suggest answers to questions.</p>	 <p style="text-align: center;">Circuits and Conductors</p> <p><b>Knowledge:</b> Stage 2.14 I know what electricity is and can build and investigate simple circuits.</p> <p><b>Skills:</b> Stage 1.2 I can make simple observations Stage 1.3 I can perform simple tests Stage 1.4 I can gather and record data to help answer questions. Stage 1.5 I can use observations to suggest answers to questions.</p>	 <p style="text-align: center;">What do Scientists do?</p> <p><b>Knowledge:</b> Stage 1.16 I can name some important scientists. Stage 1.17 I can say what scientists do</p> <p><b>Skills:</b> Stage 1.2 I can make simple observations Stage 1.3 I can perform simple tests Stage 1.4 I can gather and record data to help answer questions. Stage 1.5 I can use observations to suggest answers to questions.</p>	 <p style="text-align: center;">My Body</p> <p><b>Knowledge:</b> Stage 1.8 I can identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense</p> <p><b>Skills:</b> Stage 1.2 I can make simple observations Stage 1.3 I can perform simple tests</p>	 <p style="text-align: center;">Forces and Magnets</p> <p><b>Knowledge:</b> Stage 1.14 I can observe the behaviour of magnets and their effect on other materials Stage 2.13 I can describe the behaviour of magnets, identify magnetic materials and make predictions about the actions of magnets.</p> <p><b>Skills:</b> Stage 1.2 I can make simple observations Stage 1.3 I can perform simple tests Stage 1.4 I can gather and record data to help answer questions.</p>	 <p style="text-align: center;">Growing Plants</p> <p><b>Knowledge:</b> Stage 1.7 I can identify and name a range of common plants and compare their structure.</p> <p><b>Skills:</b> Stage 1.2 I can make simple observations Stage 1.3 I can perform simple tests Stage 1.4 I can gather and record data to help answer questions. Stage 1.5 I can use observations to suggest answers to questions.</p>






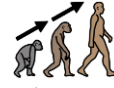


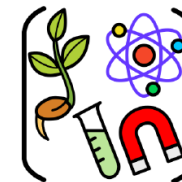
Curriculum Overview: Science

Key Stage 3	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Year A	 <p>Space</p> <p><b>Knowledge:</b> Stage 2.12 I can name objects in our solar system and describe their movement including the planets, sun and moon.</p> <p><b>Skills:</b> Stage 2.1 I can ask relevant questions.</p>	 <p>Properties of Changing Materials</p> <p><b>Knowledge:</b> Stage 2.11 I can identify and group a range of everyday materials and investigate how their shape can be changed</p> <p><b>Skills:</b> Stage 2.1 I can ask relevant questions. Stage 2.2 I can set up simple practical enquiries. Stage 2.3 I can use scientific language, drawings and labelled diagrams.</p>	 <p>Super Scientists</p> <p><b>Knowledge:</b> Stage 2.16 I can name a range of scientists and say why they are important Stage 2.17 I can name some jobs that involve science and what they do.</p> <p><b>Skills:</b> Stage 2.2 I can set up simple practical enquiries. Stage 2.3 I can use scientific language, drawings and labelled diagrams. Stage 2.4 I can make careful observations including gathering and recording data. Stage 2.5 I can draw simple conclusions.</p>	 <p>Health and Movement</p> <p><b>Knowledge:</b> Stage 2.6 I can find out about and describe the basic needs of animals, including humans, for survival. Stage 2.8 I can identify and label the basic parts of the human body and know what they do in simple terms.</p> <p><b>Skills:</b> Stage 2.2 I can set up simple practical enquiries. Stage 2.3 I can use scientific language, drawings and labelled diagrams. Stage 2.4 I can make careful observations including gathering and recording data. Stage 2.5 I can draw simple conclusions.</p>	 <p>Changing Circuits</p> <p><b>Knowledge:</b> Stage 2.14 I know what electricity is and can build and investigate simple circuits.</p> <p><b>Skills:</b> Stage 2.3 I can use scientific language, drawings and labelled diagrams. Stage 2.4 I can make careful observations including gathering and recording data. Stage 2.5 I can draw simple conclusions.</p>	 <p>Changes and Reproduction</p> <p><b>Knowledge:</b> Stage 2.6 I can find out about and describe the basic needs of animals, including humans, for survival.</p> <p><b>Skills:</b> Stage 2.1 I can ask relevant questions</p>
Year B	 <p>Classification</p> <p><b>Knowledge:</b></p>	 <p>States of Matter</p> <p><b>Knowledge:</b></p>	 <p>British Scientists</p> <p><b>Knowledge:</b></p>	 <p>Eating and Digestion</p> <p><b>Knowledge:</b> Stage 2.6 I can find out about and describe the</p>	 <p>Seeing Light</p> <p><b>Knowledge:</b> Stage 1.15 I can recognise that light is</p>	 <p>Ecosystem Focus</p> <p><b>Knowledge:</b> Stage 2.7 I can find out what plants need to</p>



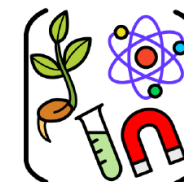
Curriculum Overview: Science

	<p>Stage 2.9 I know that living things can be grouped in a variety of ways including using classification keys. Stage 3.9 I can describe and group living things into broad groups based on their characteristics. <b>Skills:</b> Stage 2.1 I can ask relevant questions</p>	<p>Stage 2.11 I can identify and group a range of everyday materials and investigate how their shape can be changed <b>Skills:</b> Stage 2.1 I can ask relevant questions. Stage 2.2 I can set up simple practical enquiries. Stage 2.3 I can use scientific language, drawings and labelled diagrams. Stage 2.4 I can make careful observations including gathering and recording data. Stage 2.5 I can draw simple conclusions.</p>	<p>Stage 3.16 I can identify significant British scientists and their discoveries. Stage 3.17 I can describe how scientists conduct experiments <b>Skills:</b> Stage 2.1 I can ask relevant questions. Stage 2.2 I can set up simple practical enquiries. Stage 2.3 I can use scientific language, drawings and labelled diagrams. Stage 2.4 I can make careful observations including gathering and recording data. Stage 2.5 I can draw simple conclusions.</p>	<p>basic needs of animals, including humans, for survival. Stage 2.8 I can identify and label the basic parts of the human body and know what they do in simple terms. <b>Skills:</b> Stage 2.1 I can ask relevant questions.</p>	<p>needed to see things and that it can be reflected from surfaces. Stage 3.15 I can describe how we see objects using light. <b>Skills:</b> Stage 2.3 I can use scientific language, drawings and labelled diagrams. Stage 2.4 I can make careful observations including gathering and recording data. Stage 2.5 I can draw simple conclusions.</p>	<p>grow and stay healthy and I can observe how they grow Stage 2.10 I can describe the differences in the lifecycles of a variety of animals and plants. <b>Skills:</b> Stage 2.1 I can ask relevant questions.</p>
Year C	 <p>Rocks <b>Knowledge:</b> Stage 3.11 I can compare and group different rocks and describe how they are formed. <b>Skills:</b> Stage 2.1 I can ask relevant questions.</p>	 <p>Forces in Action <b>Knowledge:</b> Stage 3.13 I can identify and name different forces and explain their effects on objects. <b>Skills:</b> Stage 2.2 I can set up simple practical enquiries. Stage 2.3 I can use scientific language, drawings and labelled diagrams.</p>	 <p>What do Scientists do? <b>Knowledge:</b> Stage 2.16 I can name a range of scientists and say why they are important Stage 3.17 I can describe how scientists conduct experiments <b>Skills:</b> Stage 2.1 I can ask relevant questions.</p>	 <p>Healthy Bodies <b>Knowledge:</b> Stage 2.6 I can find out about and describe the basic needs of animals, including humans, for survival. Stage 2.8 I can identify and label the basic parts of the human body and know what they do in simple terms.</p>	 <p>Sound <b>Knowledge:</b> Stage 2.15 I can identify and investigate how sounds are made and can be changed. <b>Skills:</b> Stage 2.2 I can set up simple practical enquiries. Stage 2.3 I can use scientific language,</p>	 <p>Evolution and Inheritance <b>Knowledge:</b> Stage 2.6 I can find out about and describe the basic needs of animals, including humans, for survival. Stage 2.10 I can describe the differences in the lifecycles of a variety of animals and plants.</p>



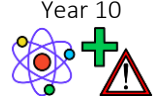
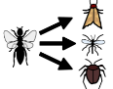


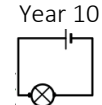


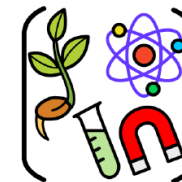
### Curriculum Overview: Science

		<p>Stage 2.4 I can make careful observations including gathering and recording data. Stage 2. 5 I can draw simple conclusions.</p>	<p>Stage 2.2 I can set up simple practical enquiries. Stage 2.3 I can use scientific language, drawings and labelled diagrams. Stage 2.4 I can make careful observations including gathering and recording data. Stage 2. 5 I can draw simple conclusions.</p>	<p><b>Skills:</b> Stage 2.1 I can ask relevant questions. Stage 2.3 I can use scientific language, drawings and labelled diagrams.</p>	<p>drawings and labelled diagrams. Stage 2.4 I can make careful observations including gathering and recording data. Stage 2. 5 I can draw simple conclusions.</p>	<p><b>Skills:</b> Stage 2.1 I can ask relevant questions.</p>
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## Curriculum Overview: Science

Key Stage 4	Term 1	Term 2	Term 3	Term 4	Term 5	Term 6
Year A 2024-2025	 Science and Our Universe <b>Knowledge:</b> Stage 2.12 I can name objects in our solar system and describe their movement including the planets, sun and moon. Stage 3.13 I can identify and name different forces and explain their effects on objects. Stage 4.13 I can identify objects in our solar system and use the movement of the Earth to explain day and night, and to suggest why we have years and seasons. <b>Skills:</b> Stage 3.1 I can ask relevant questions and use scientific enquires to answer them. Stage 3.2 I can set up simple enquires that are fair tests. Stage 3.3 I can take accurate measurements using simple equipment. Stage 3.4 I can record data using bar charts and tables. Stage 3.5 I can use results to draw simple conclusions and suggest improvements.	 Science and the Human Body <b>Knowledge:</b> Stage 3.6 I can identify that humans and some other animals have skeletons and muscles and what they are for. Stage 3.7 I can identify the stages in the human lifecycle and describe some changes that take place. Stage 3.8 I can identify and describe the parts of the human digestive system including the different types of teeth. I can construct food chains. Stage 3.10 I can describe the conditions in different environments and how living things are suited to living there. <b>Skills:</b> Stage 3.1 I can ask relevant questions and use scientific enquires to answer them. Stage 3.2 I can set up simple enquires that are fair tests. Stage 3.3 I can take accurate measurements using simple equipment. Stage 3.4 I can record data using bar charts and tables. Stage 3.5 I can use results to draw simple conclusions and suggest improvements.	 Year 10 Science: Health and Safety <b>Knowledge:</b> I can identify Health and Safety procedures <b>Skills:</b> Stage 3.1 I can ask relevant questions and use scientific enquires to answer them.		Year 11 Exams Work experience Leavers Activities	
	Year B	 Variation and Adaptation <b>Knowledge:</b> Stage 3.9 I can describe and group living things into broad groups based on their characteristics. Stage 4.10 I can describe what evolution is and the evidence that supports it. <b>Skills:</b>	 Renewable Energy <b>Knowledge:</b> I can identify different sources of energy I know the advantages of using renewable energy <b>Skills:</b>	 The Science of Light and Sound <b>Knowledge:</b> Stage 3.15 I can describe how we see objects using light. Stage 4.15 I can use the idea that light travels in straight lines	 Year 10 Working with Electrical Circuits <b>Knowledge:</b> Stage 3.14 I can build circuits, recognise circuit symbols and investigate the changing variables in circuits. <b>Skills:</b>	



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	<p>Stage 3.1 I can ask relevant questions and use scientific enquires to answer them.</p> <p>Stage 3.2 I can set up simple enquires that are fair tests.</p> <p>Stage 3.3 I can take accurate measurements using simple equipment.</p> <p>Stage 3.4 I can record data using bar chats and tables.</p> <p>Stage 3.5 I can use results to draw simple conclusions and suggest improvements.</p>	<p>Stage 3.1 I can ask relevant questions and use scientific enquires to answer them.</p> <p>Stage 3.2 I can set up simple enquires that are fair tests.</p> <p>Stage 3.3 I can take accurate measurements using simple equipment.</p> <p>Stage 3.4 I can record data using bar chats and tables.</p> <p>Stage 3.5 I can use results to draw simple conclusions and suggest improvements.</p>	<p>to describe how we see and how shadows form.</p> <p>Stage 4.14 I can describe sounds using pitch and volume and explain how vibrations make different sounds.</p> <p><b>Skills:</b></p> <p>Stage 3.1 I can ask relevant questions and use scientific enquires to answer them.</p> <p>Stage 3.2 I can set up simple enquires that are fair tests.</p> <p>Stage 3.3 I can take accurate measurements using simple equipment.</p> <p>Stage 3.4 I can record data using bar chats and tables.</p> <p>Stage 3.5 I can use results to draw simple conclusions and suggest improvements.</p>	<p style="text-align: center;">Year 11 Exams Work experience Leavers Activities</p>
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