



## Science Year one

Topic/Step	Curriculum Link and Ideas
<b>Environmental Review</b>	<u>Working Scientifically</u> <ul style="list-style-type: none"> <li>Asking simple questions and recognising that they can be answered in different ways.</li> <li>Observing closely, using simple equipment.</li> <li>Using their observations and ideas to suggest answers to questions.</li> <li>Gathering and recording data to help in answering questions.</li> </ul>
<b>Action Plan</b>	<ul style="list-style-type: none"> <li>Using their observations and ideas to suggest answers to questions.</li> </ul>
<b>Monitoring and Evaluation</b>	<ul style="list-style-type: none"> <li>Gathering and recording data to help in answering questions.</li> </ul>
<b>Biodiversity</b>	<u>Plants</u> <ul style="list-style-type: none"> <li>Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees.</li> <li>Identify and describe the basic structure of a variety of common flowering plants, including trees.</li> </ul> <u>Animals Including Humans</u> <ul style="list-style-type: none"> <li>Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals.</li> <li>Identify and name a variety of common animals that are carnivores, herbivores and omnivores.</li> <li>Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets).</li> </ul>
<b>Healthy Living</b>	<u>Animals Including Humans</u> <ul style="list-style-type: none"> <li>Identify, name, draw and label the basic parts of the human body and say which part of the body is associated with each sense.</li> </ul>
<b>Marine</b>	<u>Animals Including Humans</u> <ul style="list-style-type: none"> <li>Identify and name a variety of common animals including fish, amphibians, reptiles, birds and mammals.</li> <li>Identify and name a variety of common animals that are carnivores, herbivores and omnivores.</li> <li>Describe and compare the structure of a variety of common animals (fish, amphibians, reptiles, birds and mammals, including pets).</li> </ul>
<b>School Grounds</b>	<u>Plants</u> <ul style="list-style-type: none"> <li>Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees.</li> <li>Identify and describe the basic structure of a variety of common flowering plants, including trees.</li> </ul>
<b>Waste</b>	<u>Everyday Materials</u> <ul style="list-style-type: none"> <li>Distinguish between an object and the material from which it is made</li> <li>Identify and name a variety of everyday materials, including wood, plastic, glass, metal, water, and rock</li> </ul>





	<ul style="list-style-type: none"> <li>Describe the simple physical properties of a variety of everyday materials</li> <li>Compare and group together a variety of everyday materials on the basis of their simple physical properties.</li> </ul>
<b>Science Year Two</b>	
<b>Environmental Review</b>	<u>Working Scientifically</u> <ul style="list-style-type: none"> <li>Asking simple questions and recognising that they can be answered in different ways.</li> <li>Observing closely, using simple equipment.</li> <li>Using their observations and ideas to suggest answers to questions.</li> <li>Gathering and recording data to help in answering questions.</li> </ul>
<b>Action Plan</b>	<ul style="list-style-type: none"> <li>Using their observations and ideas to suggest answers to questions.</li> </ul>
<b>Monitoring and Evaluation</b>	<ul style="list-style-type: none"> <li>Gathering and recording data to help in answering questions.</li> </ul>
<b>Biodiversity</b>	<u>Living Things and Their Habitats</u> <ul style="list-style-type: none"> <li>Explore and compare the differences between things that are living, dead, and things that have never been alive.</li> <li>Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other.</li> <li>Identify and name a variety of plants and animals in their habitats, including micro-habitats.</li> <li>Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food.</li> </ul> <u>Plants</u> <ul style="list-style-type: none"> <li>Observe and describe how seeds and bulbs grow into mature plants.</li> <li>Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.</li> </ul> <u>Animals, Including Humans</u> <ul style="list-style-type: none"> <li>Notice that animals, including humans, have offspring which grow into adults.</li> <li>Find out about and describe the basic needs of animals, including humans, for survival (water, food and air).</li> <li>Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.</li> </ul>
<b>Healthy Living</b>	<u>Animals, including Humans</u> <ul style="list-style-type: none"> <li>Find out about and describe the basic needs of animals, including humans, for survival (water, food and air).</li> </ul>





	<ul style="list-style-type: none"> <li>Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.</li> </ul>
<b>Marine</b>	<p><u>Living Things and Their Habitats</u></p> <ul style="list-style-type: none"> <li>Explore and compare the differences between things that are living, dead, and things that have never been alive.</li> <li>Identify that most living things live in habitats to which they are suited and describe how different habitats provide for the basic needs of different kinds of animals and plants, and how they depend on each other.</li> <li>Identify and name a variety of plants and animals in their habitats, including micro-habitats.</li> <li>Describe how animals obtain their food from plants and other animals, using the idea of a simple food chain, and identify and name different sources of food.</li> </ul> <p><u>Animals, Including Humans</u></p> <ul style="list-style-type: none"> <li>Notice that animals, including humans, have offspring which grow into adults.</li> <li>Find out about and describe the basic needs of animals, including humans, for survival (water, food and air).</li> </ul> <p>Describe the importance for humans of exercise, eating the right amounts of different types of food, and hygiene.</p>
<b>School Grounds</b>	<p><u>Plants</u></p> <ul style="list-style-type: none"> <li>Observe and describe how seeds and bulbs grow into mature plants.</li> <li>Find out and describe how plants need water, light and a suitable temperature to grow and stay healthy.</li> </ul>
<b>Waste</b>	<p><u>Uses of Everyday Materials</u></p> <ul style="list-style-type: none"> <li>Identify and compare the suitability of a variety of everyday materials, including wood, metal, plastic, glass, brick, rock, paper and cardboard for particular uses.</li> <li>Find out how the shapes of solid objects made from some materials can be changed by squashing, bending, twisting and stretching.</li> </ul>
<b>Science Year Three</b>	
<b>Environmental Review</b>	<p><u>Working Scientifically</u></p> <ul style="list-style-type: none"> <li>Asking relevant questions and using different types of scientific enquiries to answer them.</li> <li>Setting up simple practical enquiries, comparative and fair tests.</li> <li>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> <li>Gathering, recording, classifying and presenting data in a variety of ways to help in answering questions.</li> <li>Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables.</li> <li>Reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.</li> </ul>





	<ul style="list-style-type: none"> <li>Using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions.</li> <li>Using straightforward scientific evidence to answer questions or to support their findings.</li> </ul>
<b>Action Plan</b>	<p><u>Working Scientifically</u></p> <ul style="list-style-type: none"> <li>Asking relevant questions and using different types of scientific enquiries to answer them</li> <li>Setting up simple practical enquiries, comparative and fair tests.</li> <li>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> <li>Gathering, recording, classifying and presenting data in a variety of ways to help in answering questions.</li> <li>Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables.</li> <li>Reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.</li> <li>Using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions.</li> <li>Identifying differences, similarities or changes related to simple scientific ideas and processes.</li> <li>Using straightforward scientific evidence to answer questions or to support their findings.</li> </ul>
<b>Monitoring and Evaluation</b>	<p><u>Working Scientifically</u></p> <ul style="list-style-type: none"> <li>Asking relevant questions and using different types of scientific enquiries to answer them.</li> <li>Setting up simple practical enquiries, comparative and fair tests.</li> <li>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> <li>Gathering, recording, classifying and presenting data in a variety of ways to help in answering questions.</li> <li>Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables.</li> <li>Reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.</li> <li>Using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions.</li> <li>Identifying differences, similarities or changes related to simple scientific ideas and processes.</li> <li>Using straightforward scientific evidence to answer questions or to support their findings.</li> </ul>
<b>Informing and Involving</b>	<p><u>Working Scientifically</u></p> <ul style="list-style-type: none"> <li>Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables.</li> <li>Reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.</li> <li>Using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions.</li> <li>Identifying differences, similarities or changes related to simple scientific ideas and processes.</li> <li>Using straightforward scientific evidence to answer questions or to support their findings.</li> </ul>





<b>Biodiversity</b>	<p><u>Plants</u></p> <ul style="list-style-type: none"> <li>• Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers.</li> <li>• Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant.</li> <li>• Investigate the way in which water is transported within plants.</li> <li>• Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.</li> </ul> <p><u>Animals, Including Humans</u></p> <ul style="list-style-type: none"> <li>• Identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat.</li> <li>• Identify that humans and some other animals have skeletons and muscles for support, protection and movement.</li> </ul>
<b>Healthy Living</b>	<p><u>Animals, Including Humans</u></p> <ul style="list-style-type: none"> <li>• Identify that animals, including humans, need the right types and amount of nutrition, and that they cannot make their own food; they get nutrition from what they eat.</li> <li>• Identify that humans and some other animals have skeletons and muscles for support, protection and movement.</li> </ul> <p><u>Light</u></p> <ul style="list-style-type: none"> <li>• Recognise that light from the sun can be dangerous and that there are ways to protect their eyes.</li> </ul>
<b>School Grounds</b>	<p><u>Plants</u></p> <ul style="list-style-type: none"> <li>• Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, leaves and flowers.</li> <li>• Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant.</li> <li>• Investigate the way in which water is transported within plants.</li> <li>• Explore the part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.</li> </ul>
<b>Science Year Four</b>	
<b>Environmental Review</b>	<p><u>Working Scientifically</u></p> <ul style="list-style-type: none"> <li>• Asking relevant questions and using different types of scientific enquiries to answer them.</li> <li>• Setting up simple practical enquiries, comparative and fair tests.</li> <li>• 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> <li>• Gathering, recording, classifying and presenting data in a variety of ways to help in answering questions.</li> <li>• Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables.</li> <li>• Reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.</li> <li>• Using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions.</li> </ul>







<p><b>Action Plan</b></p>	<ul style="list-style-type: none"> <li>Using straightforward scientific evidence to answer questions or to support their findings.</li> </ul> <p><u>Working Scientifically</u></p> <ul style="list-style-type: none"> <li>Asking relevant questions and using different types of scientific enquiries to answer them</li> <li>Setting up simple practical enquiries, comparative and fair tests.</li> <li>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> <li>Gathering, recording, classifying and presenting data in a variety of ways to help in answering questions.</li> <li>Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables.</li> <li>Reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.</li> <li>Using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions.</li> <li>identifying differences, similarities or changes related to simple scientific ideas and processes.</li> <li>Using straightforward scientific evidence to answer questions or to support their findings.</li> </ul>
<p><b>Monitoring and Evaluation</b></p>	<p><u>Working Scientifically</u></p> <ul style="list-style-type: none"> <li>Asking relevant questions and using different types of scientific enquiries to answer them.</li> <li>Setting up simple practical enquiries, comparative and fair tests.</li> <li>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> <li>Gathering, recording, classifying and presenting data in a variety of ways to help in answering questions.</li> <li>Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables.</li> <li>Reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.</li> <li>Using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions.</li> <li>Identifying differences, similarities or changes related to simple scientific ideas and processes.</li> <li>Using straightforward scientific evidence to answer questions or to support their findings.</li> </ul>
<p><b>Informing and Involving</b></p>	<p><u>Working Scientifically</u></p> <ul style="list-style-type: none"> <li>Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables.</li> <li>Reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions.</li> <li>Using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions.</li> <li>Identifying differences, similarities or changes related to simple scientific ideas and processes.</li> <li>Using straightforward scientific evidence to answer questions or to support their findings.</li> </ul>
<p><b>Biodiversity</b></p>	<p><u>Living Things and Their Habitats</u></p> <ul style="list-style-type: none"> <li>Recognise that living things can be grouped in a variety of ways.</li> </ul>





	<ul style="list-style-type: none"> <li>• Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment.</li> <li>• Recognise that environments can change and that this can sometimes pose dangers to living things.</li> </ul> <u>Animals, Including Humans</u> <ul style="list-style-type: none"> <li>• Construct and interpret a variety of food chains, identifying producers, predators and prey.</li> </ul>
<b>Energy</b>	<u>Living Things and Their Habitats</u> <ul style="list-style-type: none"> <li>• Recognise that environments can change and that this can sometimes pose dangers to living things.</li> </ul> <u>Electricity</u> <ul style="list-style-type: none"> <li>• Identify common appliances that run on electricity.</li> </ul>
<b>Global Citizenship</b>	<u>Living Things and Their Habitats</u> <ul style="list-style-type: none"> <li>• Recognise that environments can change and that this can sometimes pose dangers to living things.</li> </ul>
<b>Healthy Living</b>	<u>Living Things and Their Habitats</u> <ul style="list-style-type: none"> <li>• Recognise that environments can change and that this can sometimes pose dangers to living things.</li> </ul> <u>Animals, Including Humans</u> <ul style="list-style-type: none"> <li>• Describe the simple functions of the basic parts of the digestive system in humans.</li> <li>• Identify the different types of teeth in humans and their simple functions.</li> </ul>
<b>Litter</b>	<u>Living Things and Their Habitats</u> <ul style="list-style-type: none"> <li>• Recognise that environments can change and that this can sometimes pose dangers to living things.</li> </ul>
<b>Marine</b>	<u>Living Things and Their Habitats</u> <ul style="list-style-type: none"> <li>• Recognise that living things can be grouped in a variety of ways.</li> <li>• Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment.</li> <li>• Recognise that environments can change and that this can sometimes pose dangers to living things.</li> </ul> <u>Animals, Including Humans</u> <ul style="list-style-type: none"> <li>• Construct and interpret a variety of food chains, identifying producers, predators and prey.</li> </ul>
<b>School Grounds</b>	<u>Living Things and Their Habitats</u> <ul style="list-style-type: none"> <li>• Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment.</li> </ul>
<b>Transport</b>	<u>Living Things and Their Habitats</u> <ul style="list-style-type: none"> <li>• Recognise that environments can change and that this can sometimes pose dangers to living things.</li> </ul>
<b>Waste</b>	<u>Living Things and Their Habitats</u> <ul style="list-style-type: none"> <li>• Recognise that environments can change and that this can sometimes pose dangers to living things.</li> </ul>
<b>Water</b>	<u>Living Things and Their Habitats</u> <ul style="list-style-type: none"> <li>• Recognise that environments can change and that this can sometimes pose dangers to living things.</li> </ul>





	<p><u>States of Matter</u></p> <ul style="list-style-type: none"> <li>• Compare and group materials together, according to whether they are solids, liquids or gases.</li> <li>• Observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C).</li> <li>• Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.</li> </ul>
<h2 style="color: green;">Science Year Five</h2>	
<h3 style="color: green;">Environmental Review</h3>	<p><u>Working Scientifically</u></p> <ul style="list-style-type: none"> <li>• Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.</li> <li>• Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate.</li> <li>• Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.</li> <li>• Using test results to make predictions to set up further comparative and fair tests.</li> <li>• 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.</li> <li>• Identifying scientific evidence that has been used to support or refute ideas or arguments.</li> </ul>
<h3 style="color: green;">Action Plan</h3>	<p><u>Working Scientifically</u></p> <ul style="list-style-type: none"> <li>• Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate.</li> <li>• Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.</li> <li>• Using test results to make predictions to set up further comparative and fair tests.</li> </ul>
<h3 style="color: green;">Monitoring and Evaluation</h3>	<p><u>Working Scientifically</u></p> <ul style="list-style-type: none"> <li>• Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate.</li> <li>• Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.</li> <li>• Using test results to make predictions to set up further comparative and fair tests.</li> <li>• 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.</li> </ul>
<h3 style="color: green;">Biodiversity</h3>	<p><u>Living Things and Their Habitats</u></p> <ul style="list-style-type: none"> <li>• Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird.</li> <li>• Describe the life process of reproduction in some plants and animals.</li> </ul>







<b>Energy</b>	<u>Forces</u> <ul style="list-style-type: none"> <li>Recognise that some mechanisms, including levers, pulleys and gears, allow a smaller force to have a greater effect.</li> </ul>
<b>Global Citizenship</b>	<u>Properties and Changes of Material</u> <ul style="list-style-type: none"> <li>Compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets.</li> <li>Know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution.</li> <li>Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating.</li> <li>Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic.</li> <li>Explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda.</li> </ul>
<b>Healthy living</b>	<u>Living Things and Their Habitats</u> <ul style="list-style-type: none"> <li>Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird.</li> <li>Describe the life process of reproduction in some plants and animals.</li> </ul> <u>Animals, Including Humans</u> <ul style="list-style-type: none"> <li>Describe the changes as humans develop to old age.</li> </ul>
<b>Litter</b>	<u>Properties and Changes of Material</u> <ul style="list-style-type: none"> <li>Compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets.</li> <li>Know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a solution.</li> <li>Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating.</li> <li>Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic.</li> <li>Explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda.</li> </ul>
<b>Marine</b>	<u>Living Things and Their Habitats</u> <ul style="list-style-type: none"> <li>Describe the differences in the life cycles of a mammal, an amphibian, an insect and a bird.</li> <li>Describe the life process of reproduction in some plants and animals.</li> </ul>
<b>Waste</b>	<u>Properties and Changes of Material</u> <ul style="list-style-type: none"> <li>Compare and group together everyday materials on the basis of their properties, including their hardness, solubility, transparency, conductivity (electrical and thermal), and response to magnets.</li> <li>Know that some materials will dissolve in liquid to form a solution, and describe how to recover a substance from a</li> </ul>





	<p>solution.</p> <ul style="list-style-type: none"> <li>• Use knowledge of solids, liquids and gases to decide how mixtures might be separated, including through filtering, sieving and evaporating.</li> <li>• Give reasons, based on evidence from comparative and fair tests, for the particular uses of everyday materials, including metals, wood and plastic.</li> <li>• Explain that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda.</li> </ul>
<b>Science Year Six</b>	
<b>Environmental Review</b>	<p><u>Working Scientifically</u></p> <ul style="list-style-type: none"> <li>• Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary.</li> <li>• Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate.</li> <li>• Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.</li> <li>• Using test results to make predictions to set up further comparative and fair tests.</li> <li>• 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.</li> <li>• Identifying scientific evidence that has been used to support or refute ideas or arguments.</li> </ul>
<b>Action Plan</b>	<p><u>Working Scientifically</u></p> <ul style="list-style-type: none"> <li>• Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate.</li> <li>• Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.</li> <li>• Using test results to make predictions to set up further comparative and fair tests.</li> </ul>
<b>Monitoring and Evaluation</b>	<p><u>Working Scientifically</u></p> <ul style="list-style-type: none"> <li>• Taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate.</li> <li>• Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.</li> <li>• Using test results to make predictions to set up further comparative and fair tests.</li> <li>• 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.</li> </ul>
<b>Informing and</b>	<p><u>Working Scientifically</u></p> <ul style="list-style-type: none"> <li>• Recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs.</li> </ul>





<b>Involving</b>	<ul style="list-style-type: none"> <li>Using test results to make predictions to set up further comparative and fair tests.</li> <li>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.</li> <li>Identifying scientific evidence that has been used to support or refute ideas or arguments.</li> </ul>
<b>Biodiversity</b>	<p><u>Living Things and Their Habitat</u></p> <ul style="list-style-type: none"> <li>Describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including micro-organisms, plants and animals.</li> <li>Give reasons for classifying plants and animals based on specific characteristics.</li> </ul> <p><u>Animals, including humans</u></p> <ul style="list-style-type: none"> <li>Describe the ways in which nutrients and water are transported within animals, including humans.</li> </ul> <p><u>Evolution and Inheritance</u></p> <ul style="list-style-type: none"> <li>Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago.</li> <li>Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents.</li> <li>Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.</li> </ul>
<b>Energy</b>	<p><u>Electricity</u></p> <ul style="list-style-type: none"> <li>Associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit.</li> <li>Compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches.</li> <li>Use recognised symbols when representing a simple circuit in a diagram.</li> </ul>
<b>Global Citizenship</b>	<p><u>Evolution and Inheritance</u></p> <ul style="list-style-type: none"> <li>Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents.</li> <li>Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.</li> </ul>
<b>Healthy Living</b>	<p><u>Animals, Including Humans</u></p> <ul style="list-style-type: none"> <li>Identify and name the main parts of the human circulatory system, and describe the functions of the heart, blood vessels and blood</li> <li>Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function</li> <li>Describe the ways in which nutrients and water are transported within animals, including humans.</li> </ul>
<b>Marine</b>	<p><u>Evolution and Inheritance</u></p> <ul style="list-style-type: none"> <li>Recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago.</li> <li>Recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents.</li> </ul>





	<ul style="list-style-type: none"><li>Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.</li></ul>
<b>Transport</b>	<u>Animals, Including Humans</u> <ul style="list-style-type: none"><li>Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function.</li></ul>
<b>Waste</b>	<u>Evolution and Inheritance</u> <ul style="list-style-type: none"><li>Identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.</li></ul>

