

## Science Topics Taught

<u>Year A</u>	<u>Autumn</u>	<u>Spring</u>	<u>Summer</u>
<i>EYFS</i>	<p><b><u>Animals including Humans - Myself</u></b> Children will begin to identify and name different part of the human body.</p> <p><b><u>Seasons</u></b> Children will explore the different clothing needed for the different seasons. Begin to make observations about changes to their environment during the seasons.</p>	<p><b><u>Houses and Homes</u></b> Children will begin to learn about different types of houses and begin to explore the materials that they are made from.</p> <p><b><u>Plants</u></b> Children begin to make observations and identify the different parts of a plant and what they need to grow.</p> <p><b><u>Seasons</u></b> Children will explore the different clothing needed for the different seasons. Begin to make observations about changes to their environment during the seasons.</p>	<p><b><u>Minibeasts</u></b> Begin to explore different habitats and the animals that might live there.</p> <p><b><u>Seasons</u></b> Children will explore the different clothing needed for the different seasons. Begin to make observations about changes to their environment during the seasons.</p>
<i>Key Stage 1</i>	<p><b><u>Seasonal Change</u></b> Children observe and talk about changes in the weather and the seasons. (Year 1)</p> <p><b><u>Animals, including humans Units 1&amp;2)</u></b> Children explore the structure of the human body. Explore different types of animals and how they survive.</p>	<p><b><u>Seasonal Change</u></b> Children observe and talk about changes in the weather and the seasons. (Year 1)</p> <p><b><u>Forces and Magnets – linked to everyday materials (Unit 1)</u></b> Children develop their understanding of the uses of everyday materials and their different properties.</p>	<p><b><u>Seasonal Change</u></b> Children observe and talk about changes in the weather and the seasons. (Year 1)</p> <p><b><u>Living things and their habitats (Unit 1)</u></b> Learning about different habitats across the globe and how animals survive in different conditions.</p> <p><b><u>Plants</u></b> Learning about the structure and growth of plants.</p>
<i>Lower Key Stage 2</i>	<p><b><u>Sound (Unit 1)</u></b> Find out how sounds are made. Develop knowledge of pitch, volume and vibrations.</p> <p><b><u>Electricity (Unit 2)</u></b> Identify different electrical appliances. Explore electrical circuits and how they are structured and broken.</p>	<p><b><u>Animals including Humans (Unit 4)</u></b> Follow food by learning about teeth, the digestive system and food chains.</p>	<p><b><u>Living Things (Unit 3)</u></b> Looking at how living things can be grouped and classified.</p> <p><b><u>Materials - States of Matter (Unit 4)</u></b> Explore states of matter by looking at solids, liquids and gases and observe how they can be changed.</p>

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<p>Upper Key Stage 2</p>	<p><b><u>Forces</u></b> Exploring forces and the impact of forces on daily life.</p> <p><b><u>Earth and Space</u></b> Exploring the movements of the Sun, Moon and Earth and their resulting impact on day and night.</p>	<p><b><u>Evolution</u></b> Explore how fossils provide information about the past and how animals have changed to suit their environment.</p>	<p><b><u>Animals including Humans</u></b> Explore how lifestyle can impact on people's health. Learn about the function of the circulatory system and how nutrients are transported.</p> <p><b><u>Sound and Hearing (Unit 2)</u></b> <i>Pupils will have sound knowledge of parts of the human ear and its function in hearing. Children will become confident. They will explore how sound travels in a range of materials and that animals and humans can have different auditory ranges which help them survive in the wild.</i></p>
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## Science Topics Taught

<u>Year B</u>	<u>Autumn</u>	<u>Spring</u>	<u>Summer</u>
<i>EYFS</i>	<p><b><u>Humans - Myself</u></b> Children will begin to identify and name different part of the human body.</p> <p><b><u>Seasons</u></b> Children will explore the different clothing needed for the different seasons. Begin to make observations about changes to their environment during the seasons.</p>	<p><b><u>Materials - Houses and Homes</u></b> Children will begin to learn about different types of houses and begin to explore the materials that they are made from.</p> <p><b><u>Plants</u></b> Children begin to make observations and identify the different parts of a plant and what they need to grow.</p> <p><b><u>Seasons</u></b> Children will explore the different clothing needed for the different seasons. Begin to make observations about changes to their environment during the seasons.</p>	<p><b><u>Minibeasts</u></b> Begin to explore different habitats and the animals that might live there.</p> <p><b><u>Seasons</u></b> Children will explore the different clothing needed for the different seasons. Begin to make observations about changes to their environment during the seasons.</p>
<i>Key Stage 1</i>	<p><b><u>Seasonal Change</u></b> Children observe and talk about changes in the weather and the seasons. (Year 1)</p> <p><b><u>Earth &amp; Space (Seasonal Changes) (Unit 1)</u></b> Children explore the weather and make observations related to the length of the day and how it changes.</p>	<p><b><u>Seasonal Change</u></b> Children observe and talk about changes in the weather and the seasons. (Year 1)</p> <p><b><u>Everyday Materials (Unit 1 &amp; Unit 2)</u></b> Children develop their understanding of the uses of everyday materials and their different properties.</p>	<p><b><u>Seasonal Change</u></b> Children observe and talk about changes in the weather and the seasons. (Year 1)</p> <p><b><u>Plants (Unit 1 &amp; Unit 2)</u></b> Learning about the structure and growth of plants.</p>
<i>Lower Key Stage 2</i>	<p><b><u>Light (Unit 1)</u></b> Recognise the importance and dangers of light and develop an understanding of how shadows are formed.</p> <p><b><u>Magnets and Forces (Unit 2)</u></b> Compare how things move and how magnets can attract or repel.</p>	<p><b><u>Animals Including Humans (Unit 3)</u></b> Children develop their understanding of nutrition and how their skeletons and muscles support their body.</p> <p><b><u>Living Things (Unit 2)</u></b> Children will learn that living things can be grouped in a variety of ways and recognise that environments can change.</p>	<p><b><u>Materials - Rocks and Soils (Unit 3)</u></b> Explore rocks based on their properties and how fossils provide information about the past.</p> <p><b><u>Plants (Unit 3)</u></b> Explore the functions of different parts of plants and how plants are pollinated to produce more.</p>

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<i>Upper Key Stage 2</i>	<b><u>Materials</u></b> Develop vocabulary and understanding by changing the state of materials through fair testing.	<b><u>Living Things and their Habitats</u></b> Provide reasons for classifying animals and explore the life cycle of different types of animals.	<b><u>Electricity</u></b> Understand how voltage has impact on buzzers/lamps. Use symbols to create diagrams and drawings.  <b><u>Light</u></b> Explore how light travels in straight lines and how it can be reflected.
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