



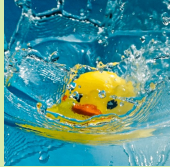







Science Curriculum Map

Cycle A	Term 1	Term 2	Term 3
Foundation Stage	 <p><u>Exploring Autumn</u></p> <p>This project teaches children about the natural changes that happen during the season of autumn, including how the weather changes, why trees lose their leaves and how wild animals prepare for winter.</p>	 <p><u>Winter Wonderland</u></p> <p>This project teaches children about the changes that happen during winter.</p>  <p><u>Puddles & Rainbows</u></p> <p>This project teaches children about the weather that happens during spring time.</p>	 <p><u>Shadows & Reflections</u></p> <p>This project teaches children about natural marvels, including shadows, reflections.</p>  <p><u>Splash!</u></p> <p>This project teaches children about water, including floating and sinking, freezing and melting.</p>
Key Stage 1	 <p><u>Everyday Materials</u></p> <p>This project teaches children that objects are made from materials. We will identify a range of everyday materials and their sources.</p>  <p><u>Human Senses</u></p> <p>This project teaches children about body parts. We will learn about the senses, and their role in keeping us safe.</p>	 <p><u>Seasonal Changes</u></p> <p>This project teaches children about the seasons, seasonal changes and typical seasonal weather. We will learn about measuring the weather and the role of a meteorologist. We will begin to learn about the science of day and night and the varying day lengths in the UK.</p>	 <p><u>Plant Parts</u></p> <p>This project teaches children about wild and garden plants. We will identify and describe the basic parts of plants and how they change.</p>  <p><u>Animal Parts</u></p> <p>This project teaches children about animals, including fish, amphibians, reptiles, birds, mammals and invertebrates.</p>

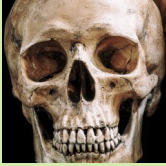






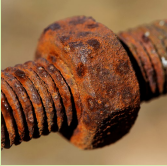
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Science Curriculum Map

Cycle A	Term 1	Term 2	Term 3
Lower Key Stage 2	 <p><u>Skeletal & Muscular Systems</u></p> <p>This project teaches children about the importance of nutrition for humans and other animals. We will learn about the role of a skeleton and muscles and identify animals with different types of skeleton.</p>	 <p><u>Forces & Magnets</u></p> <p>This project teaches children about contact and non-contact forces, including friction and magnetism. We will investigate frictional and magnetic forces, and identify parts of a magnet and magnetic materials.</p>	  <p><u>Plant Nutrition & Reproduction</u></p> <p>This project teaches children about the requirements of plants for growth and survival.</p> <p><u>Light & Shadows</u></p> <p>This project teaches children about light and dark. Investigating reflections and shadows.</p>
Upper Key Stage 2	  <p><u>Forces & Mechanisms</u></p> <p>This project teaches children about the forces of gravity, air resistance, water resistance and friction, exploring their effects.</p> <p><u>Earth & Space</u></p> <p>This project teaches children about our Solar System. We will describe the movements of Earth and other planets relative to the Sun.</p>	 <p><u>Human Reproduction & Aging</u></p> <p>This project teaches children about animal life cycles, including the human life cycle. We will explore human growth and development to old age, including the changes experienced during puberty and human reproduction.</p>	 <p><u>Properties & Changes of Materials</u></p> <p>This project teaches children about the wider properties of materials and their uses. Learning about the reversible mixing of materials, including the process of dissolving, and how mixtures can be separated.</p>












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Cycle B	Term 1	Term 2	Term 3			
Foundation Stage	 <p><u>Build It Up</u></p> <p>This project teaches children about structures and materials.</p>	 <p><u>Marvellous Machines</u></p> <p>They will learn about products that use electricity to make them work.</p>	 <p><u>Long Ago</u></p> <p>This project teaches children about how they have grown and changed since they were babies.</p>	 <p><u>Ready Steady Grow</u></p> <p>This project teaches children about what plants and animals need to grow and survive.</p>	 <p><u>Creep, Crawl & Wriggle</u></p> <p>This project teaches children about invertebrates that live in their gardens and local area.</p>	 <p><u>Move it!</u></p> <p>This project teaches children about the importance of exercise, sleep and a balanced diet.</p>
Key Stage 1	 <p><u>Human Survival</u></p> <p>This project teaches children about the basic needs for humans survival, including the importance of exercise and nutrition.</p>	 <p><u>Habitats</u></p> <p>This project teaches children about habitats and what a habitat needs to provide, whilst identifying and naming living things.</p>	 <p><u>Uses of Materials</u></p> <p>This project teaches children about the uses of everyday materials and how materials' properties make them suitable.</p>	 <p><u>Plant Survival</u></p> <p>This project teaches children about the growth of plants from seeds and bulbs. Observing growth and changes over time.</p>	 <p><u>Animal Survival</u></p> <p>This project teaches children about growth in animals by exploring life cycles of some familiar animals. We will build on learning about the survival of humans, by identifying the basic needs of animals for survival, including food, water, air and shelter.</p>	








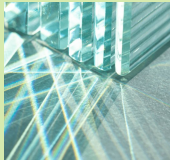

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Lower Key Stage 2	 <p><u>Digestive System</u></p> <p>This project teaches children about the human digestive system. Exploring the main parts, including the mouth and teeth.</p>	 <p><u>Sound</u></p> <p>This project teaches children about sound and how sounds are made and travel as vibrations through a medium to the ear.</p>	 <p><u>States of Matter</u></p> <p>This project teaches children about solids, liquids and gases and their characteristic properties. Where we will observe how materials change.</p>	 <p><u>Grouping & Classifying</u></p> <p>This project teaches children about classifying and grouping living things.</p>	 <p><u>Electrical Circuits & Conductors</u></p> <p>This project teaches children about electrical appliances and safety. We will construct simple series circuits and name their parts and functions, including switches, wires and cells. We will investigate electrical conductors and insulators and identify common features.</p>
Upper Key Stage 2	 <p><u>Circulatory System</u></p> <p>This project teaches children about the transport role of the human circulatory system, its main parts and their primary functions. We will learn about healthy lifestyle choices and the effects of harmful substances on the body.</p>	 <p><u>Electrical Circuits and Components</u></p> <p>This project teaches children about electrical circuits, their components and how they function. We will recognise how the voltage of cells affects the output of a circuit and record circuits using standard symbols.</p>	 <p><u>Light Theory</u></p> <p>This project teaches children about the way that light behaves, travelling in straight lines from a source to the eye.</p>	 <p><u>Evolution & Inheritance</u></p> <p>This project teaches children about how living things on have changed over time.</p>	

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