

Fifth Class (Year One)

	Living Things	Materials	Energy and Forces	Environmental Awareness and Care
Autumn Term		<p>Materials Recognise that materials can be in solid, liquid or gas form. Identify and investigate a widening range of common materials in the immediate environment. Explore the origins of these materials. Group materials according to their properties and/or composition. Identify how materials are used</p> <p>Materials and Change Explore the effects of heating and cooling on a range of solids, liquids and gases. Experiment to establish which materials are good conductors of heat or good insulators. Identify ways in which homes and buildings are heated and insulated. Recognise how heating and cooling can be used to preserve food.</p>		<p>Environ. Awareness Identify positive aspects of natural and built environments. Become aware of the importance of the Earth's renewable and non-renewable resources. Foster an appreciation of the ways in which people use the Earth's resources. Come to appreciate the need to conserve resources.</p>
Winter/Spring Term			<p>Light Learn that light is a form of energy. Know that light travels from a source. Investigate the splitting and mixing of light. Investigate the refraction of light. Investigate how mirrors and other shiny surfaces are good reflectors of light. Explore how objects may be magnified using simple lens or magnifier. Appreciate the importance of sight. Understand the role of sunlight in photosynthesis and appreciate that the sun gives</p>	<p>Science & the Environ. Appreciate the application of science and technology in familiar contexts. Examine some ways that science and technology have contributed positively to the use of the Earth's resources.</p>

			<p>us heat and light. Be aware of the dangers of excessive sunlight.</p> <p>Sound Learn that sound is a form of energy. Recognise and identify a variety of sounds in the environment and appreciate the importance of noise control. Understand and explore how different sounds may be made by making a variety of materials vibrate. Design and make simple woodwind instruments Explore how sound travels through materials. Appreciate the importance of hearing.</p> <p>Heat Experiment with a range of materials to establish that heat may be transferred in different ways. Recognise a variety of sources of heat. Know that heat energy can be transferred. Measure and record temperature using thermometer.</p>	
<p>Summer Term</p>	<p>Human Life Develop a simple understanding of the structure of some of the body's major internal and external organs. Develop a simple understanding of food and nutrition. Develop an understanding of the reproductive systems. Identify and understand ways in which the body protects itself against disease and infection.</p> <p>Plant and Animal Life Observe, identify and examine the animals and plants that live in local habitats.</p>			<p>Caring for the Environ. Participate in activities that contribute to the enhancement of the environment. Identify and discuss a local, national or global environmental issue. Come to appreciate individual, community and national responsibility for environmental care.</p>

	<p>Develop an increasing awareness of plants and animals from wider environments.</p> <p>Identify the interrelationships and interdependence between plants and animals in local and other habitats.</p> <p>Group and compare living things into sets according to their similarities and differences.</p> <p>Become familiar with the characteristics of some major groups of living things.</p> <p>Construct and use simple keys to identify locally occurring species of plants and animals.</p> <p>Investigate the factors that affect plant growth.</p> <p>Understand some ways in which plants reproduce.</p>			
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