

## Fourth Class (Year Two)

	<b>Living Things</b>	<b>Materials</b>	<b>Energy and Forces</b>	<b>Environmental Awareness and Care</b>
<b>Autumn Term</b>	<p><b>Human Life</b> Become aware of and investigate breathing. Explore and investigate how people move.</p>		<p><b>Light</b> Investigate the relationships between light and materials. Investigate how mirrors and other shiny surfaces are good reflectors of light. Recognise that the sun gives us heat and light. Be aware of the dangers of looking directly at the sun.</p>	<p><b>Science &amp; the Environ.</b> Begin to explore and appreciate the application of science and technology in familiar contexts. Identify some ways in which science and technology contributes positively to society. Recognise and investigate human activities which have positive or adverse effects on local and wider environments.</p>
<b>Winter/Spring Term</b>		<p><b>Materials and Change</b> Explore the effects of heating and cooling on a range of liquids, solids and gases. Investigate the suitability of different kinds of clothes for variations in temperature. Experiment to establish which materials are conductors of heat or insulators.</p> <p><b>Mixing &amp; Other Change</b> Investigate how materials may be changed by mixing. Investigate the characteristics of different materials when wet and dry. Examine the changes that take place in materials when physical forces are applied. Explore some simple ways in which materials may be separated using sieves of varying meshes.</p>	<p><b>Forces</b> Explore how objects may be moved. Explore how some moving objects may be slowed down. Explore the effect of friction on movement. Investigate falling objects. Explore how levers may be used to help lift different objects. Investigate the pushing force of water.</p> <p><b>Electricity</b> Explore the effects of static electricity. Observe the effects of static electricity on everyday things in the environment. Learn about electrical energy. Investigate current electricity by constructing simple circuits. Examine and group materials as conductors and insulators. Become aware of the dangers of electricity.</p>	

<p><b>Summer Term</b></p>	<p><b><i>Plant and Animal Life</i></b>          Understand that plants use light energy from the sun.          Come to appreciate that animals depend on plants and indirectly on the sun for food.          Discuss simple food chains become aware of some of the basic life processes in animals.          Investigate the factors that affect plant growth.</p>		<p><b><i>Sound</i></b>          Design and make a range of simple string instruments using a variety of tools and materials.          Explore the fact that sound travels through materials.</p>	<p><b><i>Caring for the Environ.</i></b>          Examine a number of ways in which the national or global environment could be improved or enhanced.          Identify and discuss a national or global environmental issue.          Realise that there is a personal and community responsibility for taking care of the environment.</p>
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