

Sixth Class (Year Two)

	Living Things	Materials	Energy and Forces	Environmental Awareness and Care
Autumn Term		<p>Materials Recognise that a gas, such as air, occupies space, has mass and exerts pressure. Recognise that some materials decay naturally while others survive a long time in the environment. Become aware that air is composed of different gases. Become aware of some of the practical applications of these gases in everyday life.</p> <p>Materials & Change Investigate how a wide range of materials may be changed by mixing. Investigate the effects of light, air and water on materials. Examine the changes that take place in materials when physical forces are applied. Recognise that oxygen is required for burning. Explore some simple ways in which materials may be separated.</p>		<p>Environ. Awareness Explore some examples of the interrelationship of living and non-living aspects of local and other 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>Magnetism & Electricity Learn that magnets can push or pull magnetic materials. Investigate how magnets may be made. Explore the use of magnets to lift and hold objects. Learn about electrical energy. Investigate current electricity by constructing simple circuits. Become aware of how some common electrical appliances work. Become aware of and understand the dangers of electricity.</p> <p>Forces Identify and explore how objects and materials may be</p>	<p>Science & the Environ. Recognise the contribution of scientists to society. Recognise and investigate aspects of human activities that may have positive or adverse effects on environments.</p>

			<p>moved.</p> <p>Explore the effect of friction on movement and how it may be used to slow or stop moving objects.</p> <p>Explore how friction can generate heat.</p> <p>Come to appreciate that gravity is a force.</p> <p>Become aware that objects have weight because of the pull of gravity.</p> <p>Explore how levers may be used to help lift different objects.</p>	
<p>Summer Term</p>	<p><i>Human Life</i> Develop a simple understanding of the structure of some of the body's major internal and external organs. Develop an understanding of the reproductive systems of both male and female. Investigate breathing.</p> <p><i>Plant & Animal Life</i> Become aware of the sun as a source of energy for plants through photosynthesis. Observe and explore some ways in which plant and animal behaviour is influenced by, or adapted to, environmental conditions. Recognise that there is a great diversity of plants and animals in different regions and environments. Become aware of some of the basic life processes in animals and plants.</p>			<p><i>Care for the Environ.</i> 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>