

Science					
	Autumn	Spring		Summer	
Year3	Electricity	Moving & Growing / Helping Plants Grow		Forces & Magnets & Springs	
	Term 1/Term 2	Term 1	Term 2	Term 1	Term 2
	Electricity	Moving & Growing	Helping Plants Grow	Forces & Magnets	Springs
<b>Knowledge</b> (must know)	<ul style="list-style-type: none"> <li>-common appliances that run on mains and on battery</li> <li>-hazards/dangers of using electricity</li> <li>-how to remain safe while using electricity</li> <li>-the two different types of circuit</li> <li>- switch helps to break the circuit</li> <li>-what are dependent and independent variables in a fair test</li> </ul>	<ul style="list-style-type: none"> <li>-that not all animals have an internal skeleton and that the presence of this is an important feature in classifying them</li> <li>-that a skeleton is needed for support, protection and movement</li> <li>-how muscles work in pairs to allow movement and maintain posture</li> <li>-common bones in human body</li> <li>-what we need for good growth of the body</li> <li>-what makes a balanced diet</li> </ul>	<ul style="list-style-type: none"> <li>-the parts of flower</li> <li>-the process of understand pollination</li> <li>-the difference between wind and insect pollinated flowers/the different ways seeds are dispersed</li> <li>-why seeds need to be dispersed</li> <li>-how seeds structure decides the manner in which they get dispersed</li> </ul>	<ul style="list-style-type: none"> <li>-the different types of forces</li> <li>-that some forces need contact between 2 objects, but magnetic forces can act at a distance</li> <li>-that magnets can attract and repel</li> <li>-what magnetic poles are</li> <li>- how Earth acts as magnet</li> <li>-the uses of magnets</li> </ul>	<ul style="list-style-type: none"> <li>-where springs are used in everyday life and how are they useful</li> <li>-that different springs do not stretch and compress the same amount</li> </ul>
<b>(skills)</b> Be able to	<ul style="list-style-type: none"> <li>-plan a fair test to find out how you can change the brightness of a bulb</li> <li>-plan a fair test to find out which materials can be used to make electrical wires( to sort conductors and insulators)</li> <li>-to use symbols to draw a simple series electrical circuit</li> <li>-construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers</li> </ul>	<ul style="list-style-type: none"> <li>-investigate what happens to our skeletons from the day we are born until we become an adult</li> <li>-investigate skeletal growth and age/</li> <li>-investigate Do all human skeletons' grow at the same rate?</li> <li>-investigate how lifestyle of an athlete differs from ordinary people</li> <li>-identify and compare skeletons of different animals</li> </ul>	<ul style="list-style-type: none"> <li>-plan a fair test to investigate how fertilizer affects the growth of a seed</li> <li>- investigate the way in which water is transported in plants</li> <li>-plan a fair test to find which seed will travel the furthest</li> </ul>	<ul style="list-style-type: none"> <li>-plan a fair test to investigate the strength of magnets</li> <li>- investigate magnetic and non-magnetic material( which material will you use to manufacture a fridge )</li> <li>- investigate which metal will you use to make microwave doors</li> <li>-investigate properties of a magnet</li> </ul>	<ul style="list-style-type: none"> <li>-plan a fair test to investigate how springs can be used to measure a force.</li> <li>-plan a fair test to investigate which rubber band can be best for making a catapult</li> </ul>
<b>Key vocabulary</b>	<b>conduct hazard</b>	<b>exo/ endoskeleton</b>	<b>dispersal nourish</b>	<b>property</b>	<b>compress elasticity</b>
<b>Links</b>					
<b>Ass.</b>					
<b>Performance/ debate/world of work</b>					