



AUTUMN		SPRING	SUMMER	
<p><b>UNIT: How far can you throw your shadow?</b>  <b>DRIVER: Science</b>  <b>Wow beginning:</b> Use torches to create different shapes and attempt to photograph them  <b>Wow ending: Shadow dance (Peter Pan)</b></p>	<p><b>UNIT: What do rocks tell us about the way the Earth was formed?</b>  <b>DRIVER: Science</b>  <b>Wow beginning:</b> Observing and investigating different rocks  <b>Wow ending:</b> Make/enjoy rocky road</p>	<p><b>UNIT: Are you attractive enough?</b>  <b>DRIVER: Science</b>  <b>Wow beginning:</b> Explore with a number of magnets and work out which side attracts and which side repels</p>	<p><b>UNIT: How did that blossom become an apple?</b>  <b>DRIVER: Science</b>  <b>Wow beginning:</b> Observe fruit and make fruit skewers  <b>Wow ending:</b> Visit to Mesnes Park to sketch / observe flowers</p>	<p><b>Wow ending:</b> Mad scientist  <b>UNIT: How can Usain Bolt move so quickly?</b>  <b>DRIVER: Science</b>  <b>Wow beginning:</b> 100m challenge  <b>Wow ending:</b> Warburton's healthy eating visitor.</p>
<p><u>Possible Learning Outcomes</u></p> <p>How can you show that your shadow changes according to the position of the Sun?            Why do footballers in a night match often have four shadows?            How can you explain the relationship between the Sun and the Moon (in terms of lighting up the moon)?            How can you design and make a periscope to show how light reflects?            How can you set up an experiment to show how shiny things respond in the dark?            Can you create a painting which shows reflection of light on water?            Can you create a stained glass window which is translucent?</p>	<p><u>Possible Learning Outcomes</u></p> <p>What are fossils and why are they so fascinating?            What can you find out about sedimentary and igneous rocks?            Why is a diamond a 'girl's best friend'?            Can you collect some rocks to create a rock sculpture?            Reflection: Can you work as a team to create a power-point presentation about rocks?</p>	<p><u>Possible Learning Outcomes</u></p> <p>What is a magnet and what is its relationship to the North Pole?            What do we mean by attract and repel?            What other force do we know about and how can we classify forces?            How can we use magnets to make an exciting game?            Reflection: Create a television advert for your magnetic game.</p>	<p><u>Possible Learning Outcomes</u></p> <p>What is blossom and why is it so important for the fruit we grow?            Could we grow any fruit in this country, if not why not?            How can you capture the beauty of the blossom?            What happens to the water that you put into the soil to help a plant grow?            What do we mean by seed dispersal and why is it so important for our plants?            Why is it so important for us to look after the bees in our country?            How can you make a presentation to show the life cycle of an apple?</p>	<p><u>Possible Learning Outcomes</u></p> <p>How long will it take you to run 100m?            How does the arm joint work and can you make a similar joint?            What role does the muscle have in helping the arm to move?            How does the food we eat get transported around our body?            Can you sketch the position that Usain Bolt is in from 'on your marks to go'?            How can you create a movement that links six different balances, using your body?</p>
<p><u>Resources</u></p> <p>Torches, measuring equipment, chalk, camera, light source.</p>	<p><u>Resources</u></p> <p>Variety of rocks, net books, science resources, charcoal, pastels, camera.</p>	<p><u>Resources</u></p> <p>Magnets, iron filings, different metals, internet, research, Tigtag world</p>	<p><u>Resources</u></p> <p>Seeds, plant pots, soil, sketching equipment, measuring equipment, dispersal IWB activity</p>	<p><u>Resources</u></p> <p>Stop watch, tape measure, skeleton, x-ray, BBC website, Tigtag world</p>