

Science

<p>Early Years</p> <p>Throughout the year, pupils will make observations of animals and plants and explain why some things occur, and talk about changes.</p> <p>Autumn Term: Ourselves – <i>our senses</i></p> <p>Spring Term: Plants – <i>what they need to grow</i> Changes – <i>chicks hatching and observing changes</i></p> <p>Summer Term: Mini beasts</p>	<p>Year 1</p> <p>Autumn Term: Animals including humans: <i>identify and name a variety of animals including omnivores, herbivores and carnivores. The Human Body: name and label different parts.</i></p> <p>Spring: Everyday materials: <i>identify an object based on the material from which it is made, identify and name everyday materials.</i></p> <p>Summer: Plants: <i>identify basic structures of common plants and trees.</i></p> <p>Seasonal Changes: <i>throughout the year, pupils will observe seasonal changes and the associated weather.</i></p>	<p>Year 2</p> <p>Autumn Term: Animals including humans: <i>identify the basic needs of humans and the benefits of exercise.</i> Living things and their habitats: <i>identify that most things live in habitats. Describe how animals obtain their food and begin to explore food chains.</i></p> <p>Spring Term: Use of everyday materials: <i>identify and compare the suitability of materials. Pupils investigate how materials change.</i></p> <p>Summer Term: Plants: <i>pupils observe and describe how seeds and bulbs grow into mature plants.</i></p>	<p>Year 3</p> <p>Autumn Term: Plants: <i>identify and describe the different parts of flowering plants. Pupils will investigate how water is transported through a plant</i></p> <p>Light: <i>pupils will investigate how shadows are formed and the variables that affect the size of shadows.</i></p> <p>Spring Term: Rocks: <i>compare and group together different kinds of rocks. Pupils will describe how fossils are formed.</i></p> <p>Summer Term: Forces and magnets: <i>investigate how magnets attract and repel.</i> Animals including humans: <i>pupils investigate skeletons.</i></p>	<p>Year 4</p> <p>Autumn Term: Plants: <i>identify and describe the different parts of flowering plants. Pupils will investigate how water is transported through a plant.</i> Electricity: <i>pupils will investigate common conductors and insulators in creating simple circuits.</i></p> <p>Spring Term: Sound: <i>Pupils observe how sounds is created and investigate patterns in pitch and volume.</i> Living things and their habitat: <i>Pupils will explore different ways of grouping animals through the use of classification keys.</i></p> <p>Summer Term: Forces and magnets: <i>investigate how magnets attract and repel.</i> Animals including humans: <i>Pupils identify and name the functions of human teeth. Pupils will describe the basic functions of the digestive system.</i></p>
<p>Year 5:</p> <p>Autumn Term: Electricity: <i>pupils will investigate common conductors and insulators in creating simple circuits.</i></p>	<p>Forces: <i>pupils investigate the impact of forces on different objects.</i></p> <p>Spring Term: Materials: <i>pupils will use their knowledge of solids, liquids and</i></p>	<p><i>gasses to separate materials</i></p> <p>Summer Term: Animals including humans: <i>pupils will describe the changes as humans develop into old age.</i></p>	<p>Living things and their habitats: <i>Pupils will describe difference in life cycles. In addition to this, pupils will also describe the life process of reproduction.</i></p>	
<p>Year 6:</p> <p>Autumn Term: Living things and their habitats: <i>pupils will further explore how animals are classified.</i></p>	<p>Electricity: <i>pupils will create more complex circuits and identify circuit symbols.</i></p> <p>Spring Term: Animals including humans: <i>pupils will identify the main parts of the circulatory</i></p>	<p><i>system and describe the functions of the heart, blood vessels and blood.</i></p> <p>Summer Term: Evolution and inheritance: <i>pupils will identify how things have changed over time.</i></p>	<p>Properties and changes to materials: <i>pupils will use their knowledge of solids, liquids and gasses to separate materials</i></p>	