



	Autumn Term	Spring Term	Summer Term
Year 4	<p>Investigate living things Recognise that living things can be grouped in a variety of ways.</p> <p>Explore and use classification keys.</p> <p>Recognise that environments can change and that this can sometimes pose dangers to specific habitats.</p> <p>Understand electrical circuits Identify common appliances that run on electricity.</p> <p>Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers.</p> <p>Identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery.</p> <p>Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit.</p>	<p>Understand plants Identify and describe the functions of different parts of flowering plants: roots, stem, leaves and flowers.</p> <p>Explore the requirements of plants for life and growth (air, light, water, nutrients from soil, and room to grow) and how they vary from plant to plant.</p> <p>Investigate the way in which water is transported within plants.</p> <p>Explore the role of flowers in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.</p> <p>Understand the Earth's movement in space Describe the movement of the Earth relative to the Sun in the solar system.</p> <p>Describe the movement of the Moon relative to the Earth.</p>	<p>Investigate materials Compare and group together different kinds of rocks on the basis of their simple, physical properties.</p> <p>Relate the simple physical properties of some rocks to their formation (igneous or sedimentary).</p> <p>Describe in simple terms how fossils are formed when things that have lived are trapped within sedimentary rock.</p> <p>Recognise that soils are made from rocks and organic matter. (ALSO DONE IN CYCLE B)</p> <p>Investigate light and seeing Recognise that light is required in order to see things and that dark is the absence of light.</p> <p>Notice that light is reflected from surfaces.</p> <p>Recognise that light from the sun can be dangerous and that there are ways to protect our eyes.</p>

	<p>Recognise some common conductors and insulators, and associate metals with being good conductors.</p>		<p>Recognise that shadows are formed when the light from a light source is blocked by a solid object.</p> <p>Find patterns in the way that the size of shadows change.</p>
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