

2022-2023 Cycle A		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1 Summer 2
Science	FROG Year 4	<p>Light and Shadow</p> <p>Year 3 Recognise that they need light 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 their eyes.</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> <p>Year 4 Recognise that they need light in order to see</p>	<p>Animals inc Humans</p> <p>Year 3 Identify that animals, including humans, need the right types and amount of nutrition.</p> <p>Identify that animals, including humans, cannot make their own food; they get nutrition from what they eat.</p> <p>Identify that humans and some other animals have skeletons for support, protection and movement.</p> <p>Identify that humans and some animals have muscles for support and movement.</p> <p>Year 4 Identify that animals, including humans, need the right types and amount of nutrition.</p>	<p>Rocks</p> <p>Year 3 Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties.</p> <p>Describe in simple terms how fossils are formed when things that have lived are trapped within rock.</p> <p>Recognise that soils are made from rocks and organic matter.</p> <p>Year 4 Compare and group together different kinds of rocks on the basis of their appearance and simple physical properties.</p> <p>Describe in simple terms how fossils are formed when things that have</p>	<p>Forces and Magnets</p> <p>Year 3 Compare how things move on different surfaces.</p> <p>Notice that some forces need contact between 2 objects, but magnetic forces can act at a distance.</p> <p>Observe how magnets attract or repel each other and attract some materials and not others.</p> <p>Compare and group together a variety of everyday materials on the basis of whether they are attracted to a magnet, and identify some magnetic materials.</p> <p>Describe magnets as having 2 poles.</p> <p>Predict whether 2 magnets will attract or repel each other, depending on which poles are facing.</p>	<p>Plants</p> <p>Year 3 Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, 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 part that flowers play in the life cycle of flowering plants, including pollination, seed formation and seed dispersal.</p> <p>Year 4 Identify and describe the functions of different parts of flowering plants: roots, stem/trunk, 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>

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	Books CC reading						
	STEM						
	School Award						