

Y3 Science Curriculum



Autumn	Forces and Magnets	Light
Year 3	-To identify the forces push and pull. -To identify that when two magnets are close, they create pushing or pulling forces on one another. -To identify that these forces are strongest at the ends of the magnets. The two ends of a magnet are known as the north pole and the south pole. -To identify that magnetic materials are always made of metal, but not all metals are magnetic. -To understand the terms friction and magnetic. -To identify that magnets attract or repel each other and attract some materials and not others.	-The sun can be dangerous, therefore, you must not look directly at the sun as it can damage the eyes. -The terms, opaque, transparent and translucent and some of the common materials that have these properties. -Darkness is the absence of light and that light is needed in order to see things. -A shadow is created when a light source shines on an opaque object and that the area behind the object is in darkness because light has not travelled through the object. -To understand the term reflective and that when a light is shined onto a reflective surface, the light will bounce off at an angle. -Light travels from a light source, directly to an object. -The light waves then bounce off this object and into our eye, which means we can then see it.

Spring	Rocks	Animals including Humans
Year 3	-Compare rocks based on appearance. -Group rocks based on physical properties. -How fossils are formed. -Recognise that soil and rock are formed from organic matter. -Research the work of Mary Anning.	-To identify which food are sources of carbohydrates, fruits, vegetables, sugars, oil and spreads, dairy, protein and vitamins. -To understand that animals cannot make their own food and that they must get energy and nutrition from what they eat. -To understand that animals, including humans, need the right amount of nutrition to survive. -To identify what the problems can be with eating too much of particular types of food. -To identify what a skeleton is and what the purpose of this is (protection). -To understand what muscles are and what purpose these have (movement).
Summer	Plants	
Year 3	-To identify the main parts of a flower - roots, stem, leaves, anther, stamen, style, ovary and stigma. -To understand that the roots of a plant absorb the nutrients from the soil and water that the plants need to survive. -To identify that if a plant's needs are not met, it will die. -To identify that the movement of water within a plant is known as transpiration. -To understand that the seeds in a plant need to be dispersed in order for the species of plant to keep on growing. -To identify that a flower has male and female parts.	