

Campton Academy
Science Long term planning



	Autumn	Spring	Summer
EYFS	<p>Making Comparisons Find out about similarities and differences in relation to places, objects, materials and living things.</p>	<p>Environments Compare and contrast different environments</p>	<p>Plants and Animals Make observations of animals and plants and explain why things occur and changes happen.</p>
Year 1	<p>Animals Including Humans Identify, name and compare a variety of common animals Identify and name body parts, linking them to their senses.</p>	<p>Everyday Materials Distinguish between an object and the material it is made of. Identify, name and describe a variety of everyday materials. Group everyday objects based on their use or the material they are made from.</p>	<p>Plants Identify and name a variety of common wild and garden plants, including deciduous and evergreen trees.</p>
Year 2	<p>Uses of Materials Identify and compare the suitability of a variety of everyday materials for particular uses. Explore the effect of squashing, bending, twisting and stretching on different materials.</p>	<p>Animals including Humans - Habitats Explore and compare the differences between things that are living, dead and things that have never been alive. Identify common habitats and the animals that are suited to them. Understand a simple food chain. Notice that animals have offspring which grow into adults.</p>	<p>Plants Observe and describe how seeds and bulbs grow into mature plants. Investigate how plants need light and a suitable temperature to grow and stay healthy. Identify and name a variety of plants and animals in their habitats, including microhabitats.</p>
Year 3	<p>Materials - Rocks and Soils Compare and group different types of rocks on the basis of their appearance and simple physical properties. Describe in simple terms how fossils are formed. Recognise</p>	<p>Animals including Humans Recognise they need light in order to see things. Know that light from the sun can be dangerous. Recognise that shadows are formed when the light from a light source is blocked by an opaque object.</p>	<p>Plants Describe the function of different parts of flowering plants and trees. Explore the requirements of plants for life and growth. Investigate the way in which water is transported.</p>

	that soils are made up from rocks and organic matter. Observe how magnets attract or repel. Compare and group a variety of materials on the basis of whether they are attracted to	Understand that humans, and some animals have skeletons and muscles. Identify that animals need the right types and amounts of nutrition to remain healthy.	Explore the part that flowers play in the life cycle of a flowering plant.
Year 4	<p style="text-align: center;">Animals Including Humans</p> <p>Recognise that living things can be grouped in different ways. Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment. Recognise that environments can change and this can sometimes pose a danger to living things. Describe the simple functions of the basic parts of the digestive system in humans. Identify the different types of teeth in humans and their simple functions. Construct and interpret a variety of food chains.</p>	<p style="text-align: center;">Materials - States of Matter</p> <p>Compare and group materials together, according to whether they are solids, liquids or gases. Observe that some materials can change state when they are heated or cooled. Become competent in measuring in Celsius. Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.</p>	<p style="text-align: center;">Electricity and Sound</p> <p>Identify how sounds are made, recognising that vibrations from a source travel through a medium to the ear. Find patterns between the pitch/volume of the sound and features of the object that produced it. Recognise that sounds get fainter as the distance from the sound source increases. Identify appliances that run on electricity. Construct a simple electrical circuit. Identify if a lamp will light in a simple series circuit. Recognise that a switch opens and closes a circuit.</p>