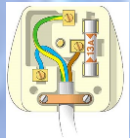




A BUZZ about Electricity!

This unit will definitely create a BUZZ about electricity through first-hand investigative opportunities using a range of circuit components, building on from prior knowledge from year 2 and developing new knowledge. Children will construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers. Children will explore and investigate everything from how switches in a circuit work to electrical insulators and conductors to how to plug a wire! Children will link learning to SALUT the amazing achievements of key scientists - Benjamin Franklin, Michael Faraday and Thomas Edison.



Living Things and their Habitats

In this unit of learning children will investigate a range of living things. They will explore: what animals and plants need in order to survive; how important plants are for all living things and the conditions that plants need so that they will grow. They will find out about the life cycles of animals that could be found in the school grounds and the conditions that animals need in order to survive. Children will also explore how an animal is suited to its environment and investigate some feeding relationships between animals and plants.

Changing State

In this unit children will reinforce their understanding of solids and liquids and states of matter. They find out how solids and liquids can be separated when they become mixed and explore reversible changes. They create their own sorting machines and learn how to filter a solution. Children will set up and carry out their own lines of enquiry to explore the freezing of different liquids to Will different materials melt at different temperatures?



Science Curriculum Overview

Year 4

Animals including Humans

Children will investigate and undertake the ORGAN Challenge to investigate the main body parts associated with the dazzling digestive system and how they have special functions. Children will SMILE for the CAMERA and explore our TERRIFIC TEETH. Across the unit, children will explore different types of teeth including milk and permanent teeth; incisors, canines and molars. Children will set up and investigate Tooth decay through a fair test of the Eggshell test in order to draw conclusions about what can damage our tooth enamel to lead to tooth decay. Children will find out about food groups and healthy balanced diets and compare diets of herbivores, carnivores and omnivores.



Spectacular Sound!

In this unit of learning children will investigate how sounds are made. They will identify how sounds are made, associating some of them with something vibrating and recognise that vibrations from sounds travel through a medium to the ear. They will investigate different patterns between the pitch of a sound and features of the object that produce it. They will find patterns between the volume of a sound and the strength of the vibrations that produce it as well as recognise that sounds get fainter as the distance from the sound source increases.

