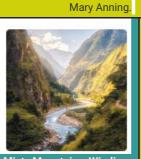


This project teaches children about ound and how sounds are made and ravel as vibrations through a medium o the ear. They learn about pitch and volume and find out how both can be changed.



n this project, pupils will investigate different

types of rock to learn about their uses and

properties. They will also investigate soil and

fossils, including learning about the work of

his project teaches children Misty Mountains, Winding about solids, liquids and River ases and their characteristi This project teaches children roperties. They observe how about the stages of the water materials change state as cycle. They will also learn they are heated and cooled, about habitats and how and learn key terminology associated with these can have an impact on the processes.

Spring



Forces and Magnets

This project teaches children about contact and

non-contact forces, including friction and

magnetism. They investigate frictional and

nagnetic forces, and identify parts of a magne

and magnetic materials.

Grouping and Classifying This project teaches children about grouping living things, known as classification. They study the animal and plant kingdoms and use and create classification keys to identify living things.



Electrical Circuits and Conductors

This project teaches children about electrical appliances and safety. They construct

simple series circuits and name their parts and functions, including switches, wires and

ells. They investigate electrical conductors and insulators and identify common features

f conductors. It also teaches children about programmable devices. They combine their

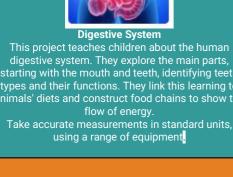
learning to design and make a nightlight.

This project teaches children about the requirements of plants for growth and survival. They describe the parts of flowering plants and relate structure to unction, including the roots and stem for ansporting water, leaves for making food and the flower for reproduction.

Summer



This project teaches children about ligh and dark. They investigate the phenomena of reflections and shadows looking for patterns in collected data. The risks associated with the Sun are also explored.



Year 5

Year 6



Sow, Grow and Farm This project teaches children about food webs and animal life cycles, including how living things are pendent on one another within a habitat. They wi vestigate the different ways that plants reproduc



Human Reproduction and Ageing This project teaches children about animal life cycles including the human life cycle. They explore humar growth and development to old age, including the changes experienced during puberty and human reproduction.



Forces and Mechanisms This project teaches children about the forces of gravity, air resistance, water resistance and iction, with children exploring their effects. The arn about mechanisms, their uses and how the allow a smaller effort to have a greater effect



Properties and Changes of Materials This project teaches children about the wide properties of materials and their uses. They learn about mixtures and how they can be separated using sieving, filtration and evaporation. They tudy reversible and irreversible changes, and us common indicators to identify irreversible changes.



This project teaches children about our Solar System and its spherical bodies. They describe the

movements of Earth and other planets relative to the Sun, the Moon relative to Earth and the Earth's

rotation to explain day and night.

Circulatory System

This project teaches children about the transport role of the human circulatory system, its main parts and their primary functions. They learn about healthy lifestyle choices and the effects of harmful substances on the body.



This project teaches children about classifying animals, animal adaptations and evolution, and polar exploration and



Electrical Circuits and Components his project teaches children about electrical circuits their components and how they function. They cognise how the voltage of cells affects the output of circuit and record circuits using standard symbols. also teaches children about programmable devices, nsors and monitoring. They combine their learning design and make programmable home devices



Light Theory his project teaches children about the way that ight behaves, travelling in straight lines from a source or reflector, into the eye. They explore how we see light and colours, and phenomena associated with light, including shadows, reflections and refraction.



This project teaches children how living things o Earth have changed over time and how fossils provide evidence for this. They learn how characteristics are passed from parents to their offspring and how variation in offspring can affect their survival, with changes (adaptations) possible leading to the evolution of a species.