



Key Skills
I can ask a question and investigate it using comparative tests.
I can set up a fair test and control the variables.
I can use a range of equipment including data loggers and thermometers independently.
I can decide which observations to make to collect evidence.
I can make accurate readings using equipment.
I can choose how to present evidence.
I can record my findings in different ways. Using drawings, labelled diagrams , graphs, charts and tables using IT when needed.
I can discuss the results of my work using scientific language.
I can identify differences and similarities due to my work.
I can use evidence to support my ideas and findings.
I can use patterns in results to help me explain an idea.
I can suggest new questions to further investigate my results.
Living Things
I know that plants can be grouped into flowering and non-flowering
I know that animals can be grouped into vertebrate, non-vertebrate
I can name the five main groups of vertebrate animals, and some groups of invertebrate animals.
I can use my knowledge to group and classify animals and plants
I understand how an environment can be changed by humans
I understand how humans may have a negative or positive impact on an environment
Animals
I can identify the different types of teeth and their function
I can compare the teeth of carnivores and herbivores
I can identify and label parts of the digestive system
I can explain the functions of parts of the digestive system
I can construct food chains showing producers, consumers, prey and predators
States of Matter
I can identify and group solids, liquids and their properties
I can investigate how materials change state
I can name the different states of water (ice, liquid, vapour)
I can explore and explain the water cycle
I can use the terms condensation, evaporation and precipitation
Sound
I know that sound is caused by vibration
I know that sound needs to travel through something to the ear
I can find patterns between a sound and what produced it
I can explore volume and strength of vibration
I understand how distance affects sound
I understand how materials can insulate against sound
Electricity
I can identify appliances that run on electricity
I can identify appliances that run on mains electricity or battery
I know of the dangers of electricity
I can make a series circuit and name its parts
I can explain if a circuit is complete and the effect of a closed or open switch.
I can explain and recognise some conductors and insulators