



Science

Enquire Observe Discover



Year Group	Unit Title	End points
4	Animals, including humans	- Describe the functions of the basic parts of the digestive system. - Humans have four types of teeth. - Know the functions of the different types of teeth. - Construct and interpret a variety of food chains, identifying producers, predators and prey.
4	Electricity	- Identify whether or not a bulb will light in a simple series circuit. - Switches open and close circuits; know how the bulb is affected in each case. - Know that the poles must be aligned when using multiple batteries to allow the flow of electricity. - Know some materials let the electricity through (conductors) and others don't (insulators). - Construct a simple electrical circuit. - Identify whether or not a lamp will light in a simple series circuit, based on whether or not the lamp is part of a complete loop with a battery.
4	Living things and habitats	- Use venn diagrams, tables and branching diagrams to sort animals and plants. - Use classification keys to classify living and non living things. - Know that humans also cause the environment to change- can be a positive (e.g. nature reserves) or negative (e.g. littering, deforestation) impact. - Environments change with the seasons so different things can be found in them at different times. - Classify animals according to their diet.
4	Sound	- Know you hear a sound when something is vibrating. - Recognise that vibrations from sounds travel through a medium to the ear. - Find patterns between the pitch of a sound and the vibrations made. - Find patterns between the volume of a sound and the strength of the vibrations that produced it. - Know that sounds get fainter the further from the sound source you are.
4	States of matter	- Identify solids, liquids and gases and group materials together. - Observe when matter changes state, the processes have names: freezing, melting, evaporating and condensing. - Know that the warmer it is, the faster the rate of evaporation. - Know the water cycle uses the processes of evaporation & condensation. - Know the key properties that define each state of matter.