

<b>Year 4 science</b>	
<b>Objective</b>	<b>Strand</b>
Recognise that living things can be grouped in a variety of ways	Living things and their habitats
Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment	Living things and their habitats
Recognise that environments can change and that this can sometimes pose dangers to living things	Living things and their habitats
Describe the simple functions of the basic parts of the digestive system in humans	Animals, including humans
Identify the different types of teeth in humans and their simple functions	Animals, including humans
Construct and interpret a variety of food chains, identifying producers, predators and prey	Animals, including humans
Compare and group materials together, according to whether they are solids, liquids or gases	States of matter
Observe that some materials change state when they are heated or cooled, and measure or research the temperature at which this happens in degrees Celsius (°C)	States of matter
Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature	States of matter
Identify how sounds are made, associating some of them with something vibrating	Sound
Recognise that vibrations from sounds travel through a medium to the ear	Sound
Find patterns between the pitch of a sound and features of the object that produced it	Sound
Find patterns between the volume of a sound and the strength of the vibrations that produced it	Sound
Recognise that sounds get fainter as the distance from the sound source increases	Sound
Identify common appliances that run on electricity	Electricity
Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers	Electricity
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	Electricity
Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit	Electricity
Recognise some common conductors and insulators, and associate metals with being good conductors	Electricity
Asking relevant questions and using different types of scientific enquiries to answer them	Working scientifically
Setting up simple practical enquiries, comparative and fair tests	Working scientifically
Making systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers	Working scientifically
Gathering, recording, classifying and presenting data in a variety of ways to help in answering questions	Working scientifically
Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts, and tables	Working scientifically
Reporting on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions	Working scientifically
Using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions	Working scientifically
Identifying differences, similarities or changes related to simple scientific ideas and processes	Working scientifically
Using straightforward scientific evidence to answer questions or to support their findings	Working scientifically