

Year 4 Working Scientifically	
Ask relevant questions and use different types of scientific enquiries to answer them	
Set up simple practical enquiries, comparative and fair tests	
Decide which information needs to be collected and decide which is the best way for collecting it	
Take measurements using different equipment and units of measure and record what they have found in a range of ways	
Make accurate measurements using standard units	
Explain their findings in different ways, for example, display, presentation, writing	
Using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions	
Make predictions based on something they have found out	
Record and present what they have found using scientific language, drawings, labelled diagrams, keys, bar charts and tables	
States of matter	
Compare and group materials together, according to whether they are solids, liquids or gases	
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)	
Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature	
Animals including humans and Living things and their habitats	
Identify and describe the simple functions of the basic parts of the human digestive system	
Describe the simple functions of the organs of the human digestive system	
Identify the different types of human teeth and their simple functions	
Construct and interpret a variety of food chains, identifying producers, predators and prey	
Recognise that living things can be grouped in a variety of ways	
Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment	
Recognise that environments can change and this can sometimes pose dangers to living things	
Electricity and Sound	
Identify how sounds are made, associating some of them with something vibrating	
Recognise that vibrations from sounds travel through a medium to the ear	
Find patterns between the pitch of a sound and features of the object that produced it	
Find patterns between the volume of a sound and the strength of the vibrations that produced it	
Recognise that sounds get fainter as the distance from the sound source increases	
Identify common appliances that run on electricity	
Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers	
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	
Recognise that a switch opens and closes a circuit and associate this with whether or not a lamp lights in a simple series circuit	
Recognise some common conductors and insulators, and associate metals with being good conductors	