

I can		Science - Year 4			
Working scientifically	Scientific skills	Dates			
	Ask relevant questions about what they notice.				
	Use different types of experiments to answer questions.				
	Can set up simple practical enquiries, comparative and fair tests.				
	Make careful observations and take accurate measurements using:				
	Thermometers.				
	Data loggers.				
	Rulers.				
				
	Classify my results and present the data.				
	Record my in a report using:				
	Charts and tables.				
	Graphs and keys				
	Labelled diagrams.				
Report on findings through oral and written explanations, displays or presentations of results and conclusions.					
Uses results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions.					
Evaluate the experiment and suggest improvements.					
	Scientific Knowledge	Dates			
Living things and their habitats	Recognise that living things can be grouped in a variety of ways.				
	Explore and use classification keys.				
	Identify and name a variety of living things in their local and wider environment.				
	Recognise that environments can change and that this can sometimes pose dangers to living things.				

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Animals including humans	Describe the simple functions of the basic parts of the digestive system in humans.				
	Identify the different types of teeth in humans and their simple functions.				
	Construct and interpret a variety of food chains, identifying producers, predators and prey.				
States of matter	Group materials by state (solid, liquid, gas).				
	Describe what happens to water as it is heated and cooled to temperatures.				
	Measure temperature in degrees Celsius.				
	Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.				
Forces/ magnets	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 what happens to the volume as the distance from it increases.				
Electricity	Tell you some appliances that run on electricity.				
	Build a series electrical circuit and identify each element (cells, wires, bulbs, switches and buzzers).				
	Identify whether or not a lamp will light in a simple series circuit.				
	Understand how switches work in a circuit.				
	Recognise common conductors.				
	Recognise common insulators.				
Explain that metal is a good conductor.					