

Pegswood Primary School
Year Group Coverage - Science



Year 4						
		Habitats	Animals including Humans	States of Matter	Sound	Electricity
Topic Objectives	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 change and that this can sometimes pose danger to living things.	✓				
	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.		✓			
	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.				✓	
	Identify the part played by evaporation and condensation in the water cycle and associate the rate of evaporation with temperature.				✓	
	Identify how sounds are made, associating something vibrating.					✓
Recognise that vibrations from sounds travel from a medium to the ear.					✓	

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Find patterns between the pitch of a sound and features of the object that have 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.					✓
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.					✓

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Working Scientifically	Asking relevant questions and using different types or scientific enquiries to answer them.		✓	✓	✓	✓
	Setting up simple and practical enquiries, comparative and fair tests.		✓	✓		
	Making systematic and careful observations and where appropriate, taking accurate measurements using standard units using a range of equipment such as thermometers and data loggers.		✓	✓	✓	✓
	Gathering, recording, classifying and presenting data in a variety of ways to help in answering questions.		✓	✓	✓	
	Recording findings using simple scientific language, drawings, labelled diagrams, keys, bar charts and tables.		✓	✓	✓	✓
	Reporting on findings from enquiries, including written and oral explanations, displays or presentations of results and conclusions.		✓	✓	✓	✓
	Using results to draw simple conclusions, make predictions for new values, suggest improvements and raise further questions.		✓	✓	✓	✓
	Identifying differences, similarities or changes related to simple scientific ideas and processes.		✓	✓	✓	✓
	Using straightforward scientific evidence to answer questions or support their findings.		✓	✓	✓	✓