

COATHAM CE PRIMARY SCHOOL

LONG-TERM (YEAR) PLAN

SUBJECT: Science				YEAR GROUP: 4			
Half-Term	Aut1 Electricity	Aut2 States of Matter	Spr1 Sound	Spr2 Animals including humans	Summ1 Animals and habitats	Sum 2 Animals and habitats (Geography – rainforest link)	
Statement of Intent	Children can construct simple electrical circuits.	Children can compare and group materials together, according to whether they are solids, liquids or gases.	Children can identify how sounds are made.	Children can identify different types of teeth and to recognise the basic parts of the digestive system.	Children can group and classify living things and understand environments can change.	Children can group and classify living things and understand environments can change.	
Key Curriculum Coverage	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. Recognise some common conductors and insulators, and associate metals with being good conductors.	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	Identify how sounds are made, associating some of them with something vibrating. Recognise that vibrations from sound travel through a medium to the ear. Find patterns between the pitch of a sound and features of the object that produced it.	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.	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.	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 that this can sometimes pose dangers to living things.	

		the water cycle and associate the rate of evaporation with temperature.					
Key Vocabulary	Appliance, component, complete, conductor, electricity, insulator, mains, switch.	Boiling point, change of state, condensation, evaporation, freezing, melting, melting point, water cycle.	Pitch, sound, sound isolation, sound source, vibrations, volume.	Carnivore, digestion, digestive system, food chain, herbivore, nutrients, predator, prey, canine, incisor, molar, premolar	Classification, classification key, environment, habitat, hibernate, invertebrates, migrate, invertebrates.	environment, habitat, pollution, climate change	