

**COATHAM CE PRIMARY SCHOOL**

**LONG-TERM (YEAR) PLAN**

<b>SUBJECT: Science</b>				<b>YEAR GROUP: 4</b>			
<b>Half-Term</b>	<b>Aut1 Electricity</b>	<b>Aut2 Animals and habitats</b>	<b>Spr1 Animals including humans</b>	<b>Spr2 States of Matter</b>	<b>Summ1 Sound</b>	<b>Summ2 Habitats (link to rainforests)</b>	
<b>Statement of Intent</b>	Children can construct simple electrical circuits.	Children can group and classify living things and understand environments can change.	Children can identify different types of teeth and to recognise the basic parts of the digestive system.	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 understand environments can change.	
<b>Key Curriculum Coverage</b>	<p>Identify common appliances that run on electricity.</p> <p>Construct a simple series electrical circuit, identifying and naming its basic parts, including cells, wires, bulbs, switches and buzzers.</p> <p>Recognise some common conductors and insulators, and associate metals with being good conductors.</p>	<p>Recognise that living things can be grouped in a variety of ways.</p> <p>Explore and use classification keys to help group, identify and name a variety of living things in their local and wider environment.</p> <p>Recognise that environments can change and that this can sometimes pose dangers to living things.</p>	<p>Describe the simple functions of the basic parts of the digestive system in humans.</p> <p>Identify the different types of teeth in humans and their simple functions.</p>	<p>Compare and group materials together, according to whether they are solids, liquids or gases.</p> <p>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.</p> <p>Identify the part played by evaporation and condensation in the water cycle and associate the rate of</p>	<p>Identify how sounds are made, associating some of them with something vibrating.</p> <p>Recognise that vibrations from sound travel through a medium to the ear.</p> <p>Find patterns between the pitch of a sound and features of the object that produced it.</p>	<p>Recognise that environments can change and that this can sometimes pose dangers to living things.</p>	

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