

Year 4 Science Long Term Plan

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Burps Bottoms and Bile		Road Trip USA	I am Warrior	Blue Abyss	Blue Abyss
<p>Animals including Humans</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>*construct and interpret a variety of food chains, identifying producers, predators and prey</p> <p>Vocabulary Digestive System, digestion, herbivore, carnivore, omnivore, producer, consumer, predator, prey, food chain</p>	<p>States of Matter</p> <p>*compare and group materials together, according to whether they are solid, liquids or gases</p> <p>*observe that some materials change state when they are heated or cooled, and measure or research the temp 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 evaporation with temperature</p> <p>Vocabulary Change of state, melting, freezing, melting point, boiling point, evaporation, condensation, water cycle, temperature</p>	<p>Electricity</p> <p>*identify common appliances that run on electricity</p> <p>*construct a simple series electrical circuit, identifying and naming its basic parts, (cells, wires, bulbs, switches and buzzers)</p> <p>*identify whether 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</p> <p>*recognise that a switch opens and closes a circuit and link this with whether or not a lamp lights in a simple series circuit</p> <p>*recognise some basic conductors and insulators, and associate metals with good conductors.</p> <p>Vocabulary Electricity, electrical appliance, mains, electrical circuit, cell, battery, electrical component, switch, conductor, insulator</p>	<p>Sound</p> <p>*identify how sounds are made, associating some of them with something vibrating</p> <p>*recognise that vibrations from sounds 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>*find patterns between the volume of a sound and the strength of the vibrations that produced it</p> <p>*recognise that sounds get fainter as the distance from the sound source increases</p> <p>Vocabulary Sound, sound source, vibrations, pitch, volume, sound insulation</p>	<p>Living Things and their Habitat</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>Vocabulary Classification, classification key, environment, habitat, migrate, hibernate, vertebrates, invertebrates</p>	