

Year 6 Science Long Term Plan

Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Victorians and Frozen Kingdom		A Child's War ID		Hola Mexico	Hola Mexico Blood Heart
<p>Living Things and their habitats</p> <p>*recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago</p> <p>*recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents</p> <p>*identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution</p> <p>*recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function</p> <p>*describe the ways in which nutrients and water are transported within animals including humans</p> <p>Vocabulary Vertebrate, fish, amphibian, reptile, bird, mammal, invertebrate, plants</p>		<p>Electricity</p> <p>*associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit</p> <p>*compare and give reasons for variations in how components function, including the brightness of bulbs, the loudness of buzzers and the on/off position of switches</p> <p>*use recognised symbols when representing a simple circuit in a diagram</p> <p>Vocabulary Circuit, circuit symbol, circuit diagram, cell, batter, switch, voltage</p>	<p>Evolution and Inheritance</p> <p>*recognise that living things have changed over time and that fossils provide information about living things that inhabited the Earth millions of years ago</p> <p>*recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents</p> <p>*identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution</p> <p>*describe how living things are classified into broad groups according to common observable characteristics and based on similarities and differences, including microorganisms, plants and animals</p> <p>*give reasons for classifying plants and animals based on specific characteristics</p> <p>Vocabulary Evolution, offspring, inherited, characteristics, variation, adapted, environment, species, fossil</p>	<p>Light</p> <p>*recognise that light appears to travel in straight lines</p> <p>*use the idea that light travels in straight lines to explain that objects are seen because they give out or reflect light into the eye</p> <p>*explain that we see things because light travels from light sources to our eyes or from light sources to objects and then to our eyes</p> <p>*use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them</p> <p>Vocabulary Light source, straight lines, light ray, reflect, shadow</p>	<p>Animals including Humans</p> <p>*identify and name the main parts of the human circulatory system and describe the functions of the heart, blood vessels and blood</p> <p>Vocabulary Heart, pulse, blood, blood vessels, lungs, circulatory system, diet, exercise, drugs, lifestyle</p>