



Year 6 Science Curriculum Map

Autumn 1		Spring 1		Summer 1	
Lesson 1	Evolution and inheritance: To explain the scientific concept of inheritance.	Lesson 1	Light: To explain that light travels in straight lines from light sources to our eyes, and from light sources to objects and then to our eyes.	Lesson 1	Living things and their Habitats: To give reasons for classifying animals based on their similarities and differences.
Lesson 2	Evolution and inheritance: To understand how animals adapt to suit their environment.	Lesson 2	Light: To understand how mirrors reflect light, and how they can help us see objects.	Lesson 2	Living things and their Habitats: To describe how living things are classified into groups using the Linnaean system.
Lesson 3	Evolution and inheritance: To identify the key ideas of the theory of evolution.	Lesson 3	Light: To investigate how refraction changes the direction in which light travels.	Lesson 3	Living things and their Habitats: To identify the characteristics of different types of animals.
Lesson 4	Evolution and inheritance: To identify evidence for evolution from fossil records.	Lesson 4	Light: To investigate how a prism changes a ray of light.	Lesson 4	Living things and their Habitats: To investigate helpful and harmful microorganisms.
Lesson 5	Evolution and inheritance: To identify evidence for how humans have evolved.	Lesson 5	Light: To investigate how light enables us to see colours.	Lesson 5	Living things and their Habitats: To identify the characteristics of different types of microorganisms.
Lesson 6	Evolution and inheritance: To identify how adaptation may lead to evolution by examining the advantages and disadvantages of specific adaptations and the role of human intervention in the process of evolution.	Lesson 6	Light: To use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them. (Isaac Newton)	Lesson 6	Living things and their Habitats: To classify organisms found in my local habitat.
Autumn 2		Spring 2		Summer 2	
Lesson 1	Animals including humans: To know the three main parts of the circulatory system and describe the job of the heart.	Lesson 1	Electricity: To explain the importance of the major discoveries in electricity.	Lesson 1 & Lesson 2	Scientists and Inventors: To understand how Stephen Hawking's theories helped us to understand more about the universe.
Lesson 2	Animals including humans: To describe the important jobs of the blood vessels and blood.	Lesson 2	Electricity: To observe and explain the effects of differing volts in a circuit. Use recognised symbols when representing a simple circuit in a diagram.		
Lesson 3	Animals including humans: To be able to describe the importance of exercise and how it affects the heart.	Lesson 3	Electricity: To observe and explain the effects of differing volts in a circuit. Associate the brightness of a bulb or the volume of a buzzer with the number and voltage of cells used in the circuit.	Lesson 3 & Lesson 4	Scientists and Inventors: To explain who Marie Maynard Daly was and her work on diets and the circulatory system.
Lesson 4	Animals including humans: To understand that regular exercise is important for a healthy body.	Lesson 4	Electricity: To 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.		
Lesson 5	Animals including humans: To be able to explain how diet and exercise affect the body.	Lesson 5	Electricity: To 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.	Lesson 5 & Lesson 6	Scientists and Inventors: To understand how Steve Jobs used electronics to design computers.
Lesson 6	Animals including humans: To be able to recognise the impact of drugs and alcohol on the way bodies function.	Lesson 6	Electricity: To 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.		

