



Year 6 Science Framework

C = Coverage **N = New Learning** **R = Recall of prior learning** **A - Assessment**

Terms	Autumn		Spring		Summer	
	Topic Based	Living Things & their Habitats	Animals (including humans)	Evolution & Inheritance	Light	Electricity
Weeks						
1	Introduction Week	C - Living Things & their Habitats N - To give reasons for classifying animals based on their similarities and differences.	C - Animals (incl humans) N - To identify part of the human circularity system.	C - Evolution and Inheritance N - To recognise that living things have changed over time	C - Light N - To recognise that light appears to travel in straight lines	C - Electricity N - To associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit
2	C - Healthy Lifestyle N - To know the different food groups and how the benefit out bodies.	C - Living Things & their Habitats R - To give reasons for classifying animals based on their similarities and differences. N - To describe how things are classified into groups.	C - Animals (incl humans) R - To identify part of the human circularity system. N - describe the parts of the human circularity system and their functions.	C - Evolution and Inheritance N - To know that fossils provide information about living things that inhabited the Earth millions of years ago	C - Light N - To 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	C - Electricity R - To associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit
3	C - Healthy Lifestyle R - To know the different food groups and how the benefit out bodies. N - To sort food into the food groups.	C - Living Things & their Habitats R - To describe how things are classified into groups. N - To identify the characteristics of different types of animals.	C - Animals (incl humans) N - To explain how water and nutrients travel around the body.	C - Evolution and Inheritance R - To know that fossils provide information about living things that inhabited the Earth millions of years ago	C - Light N - 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	C - Electricity N - 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
4	C - Healthy Lifestyle R - To know the different food groups and how the benefit out bodies. N - To design a balanced and healthy meal	C - Living Things & their Habitats N - To describe and investigate helpful and harmful microorganisms	C - Animals (incl humans) R - To explain how water and nutrients travel around the body. N - To describe a healthy lifestyle.	C - Evolution and Inheritance N - To recognise that living things produce offspring of the same kind, but normally offspring vary and are not identical to their parents	C - Light N - use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.	C - Electricity R - 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
5	C - Water Cycle N - To gain a basic understanding of the water cycle.	C - Living Things & their Habitats N - To identify the characteristics of different types of microorganisms.	C - Animals (incl humans) R - To describe a healthy lifestyle. N - To plan a scientific enquiry.	C - Evolution and Inheritance N - To identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.	C - Light R - use the idea that light travels in straight lines to explain why shadows have the same shape as the objects that cast them.	C - Electricity N - use recognised symbols when representing a simple circuit in a diagram.
6	C - Water Cycle R - To gain a basic understanding of the water cycle.	C - Living Things & their Habitats N - To plan, carry out and evaluate a scientific experiment	C - Animals (incl humans) R - To describe a healthy lifestyle. N - To understand the effect of drugs and alcohol on the body.	C - Evolution and Inheritance R - To identify how animals and plants are adapted to suit their environment in different ways and that adaptation may lead to evolution.		C - Electricity R - use recognised symbols when representing a simple circuit in a diagram.
7	C - Water Cycle N - To use appropriate scientific vocabulary	C - Living Things & their Habitats R - To plan, carry out and evaluate a scientific experiment				Enrichment Week
8		Enrichment Week				
Scientific working skills to be developed across all topics:	<ul style="list-style-type: none"> planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary taking measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate recording data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs using test results to make predictions to set up further comparative and fair tests reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations identifying scientific evidence that has been used to support or refute ideas or arguments. 					