

I can	Science - Year 6			
	Scientific skills	Dates		
Working scientifically	Plan different kinds of scientific enquiries to answer questions,			
	Recognises and controls variables where necessary.			
	Take accurate measurements using a range of scientific equipment for precision.			
	Take repeated readings when appropriate.			
	Record data using:			
	Labelled scientific diagrams.			
	Classification keys.			
	Tables and charts.			
	Scatter graphs			
	Line graphs.			
	Uses test results to set up further enquiries, comparative and fair tests.			
	Present my findings in a written report <i>including conclusions, causal relationships and explanations of and degree of trust in results.</i>			
	Present my findings in an oral presentation <i>including conclusions, causal relationships and explanations of and degree of trust in results.</i>			
Identify scientific evidence that has been used to support or refute ideas or arguments.				
	Scientific Knowledge	Dates		
Living things and their habitats	Describe how living things are classified into broad groups according to common observable characteristics.			
	Classify based on similarities and differences, including microorganisms, plants and animals			
	Give reasons for classifying plants and animals based on specific characteristics.			
Animals including humans	Identify and name the main parts of the human circulatory system.			
	Describe the functions of the heart, blood vessels and blood.			

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	Recognise the impact of diet, exercise, drugs and lifestyle on the way their bodies function.		
	Describe the ways in which nutrients and water are transported within animals.		
	Describe the ways in which nutrients and water are transported within humans.		
Evolution and inheritance	Recognise that fossils provide information about living things that lived on Earth millions of years ago.		
	Tell you about why the offspring of living things are similar but not identical to their parents.		
	Identify how animals and plants are adapted to suit their environment in different ways		
	Explain how evolution is caused by the ability to adapt to environment.		
Light	Recognise that light appears to travel in straight lines.		
	Explain that objects are seen because they give out or reflect light into the eye		
	Explain that we see things because light travels from light sources to our eyes or from source- object - eyes.		
	Explain why shadows have the same shape as the objects that cast them.		
Electricity	Associate the brightness of a lamp or the volume of a buzzer with the number and voltage of cells used in the circuit		
	Compare and give reasons for variations in how components function in circuits (including the brightness of bulbs, the loudness of buzzers and the on/off position of switches).		
	Use recognised symbols to represent a simple circuit in a diagram.		