I can	Science – Year 6	Tick	Date
Working scientifically	Plan different kinds of fair experiments.		
	Recognise why controlling variables is important and explain how I do this in my experiments.		
	Take accurate measurements using scientific equipment.		
	Take repeated measurements when appropriate.		
	Record data using:		
	Labelled scientific diagrams.		
	Classification keys.		
	Tables.		
	Bar charts.		
	Line charts.		
	Draw conclusions from my results and describe causal relationships in results.		
	Present my findings in a written report with an introduction, conclusion and results.		
	Present my findings in an oral presentation.		
	Identify scientific evidence that has been used to support or refute ideas or arguments.		
Living things and their habitats	Describe how living things are classified into broad groups according to common observable characteristics.		
	Classify plants and animals into groups.		
	Tell you why I have classified them into those groups.		
Animals including humans	Identify and name the main parts of the human circulatory system.		
	Describe the functions of the heart, blood vessels and blood.		

I can	Science – Year 6	Tick	Date
Animals including humans	Tell you about the impact of diet, exercise, drugs and lifestyle on the function of the human body.		
	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	Tell you about how 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.		
	Tell you how animals and plants adapt to suit their environment.		
	Explain how evolution is caused by the ability to adapt to environment.		
Light	Tell you about how light appears to travel.		
	Tell you about how objects need to reflect light to be visible.		
	Explain how we are able to see things because of light travelling.		
	Explain why shadows are the same shape as the objects that cast them.		
Electricity	Explain how the brightness of a lamp, or volume of a buzzer, is associated with the number and voltage of cells used in a circuit.		
	Compare and give reasons for variations in how components function in circuits.		
	Use recognised symbols to represent a simple circuit in a diagram.		