Here are the KPI's for Science for the 2023-24 academic year. The table indicates the KPI and the milestones that will ensure students make expected progress within their year group.

Working scientifically is woven into all units, across both key stages, ensuring that all students are competent in investigating science.

KPI	Milestones	
Biology		
Nature Library	Describe the life cycles of butterflies	
	Describe the behaviour of invertebrates	
	in their habitats	
	Describe how classification works	
	Describe the key features of vertebrates	
	Describe the key features of	
	invertebrates	
	Describe the features of the 3 Kingdoms:	
	Fungi, Bacteria and Protista	
	Identify the main parts of the circulatory	
	system and the heart	
The Body	Describe the functions of the heart	
	Describe the different blood vessels in	
	body and what they transport throughout	
	the body	
	Describe the four main food groups	
	Are able to take their pulse rate and	
Everything Changes	collect data on the effect of exercise on	
	their pulse rate	
	Describe how exercise forms part of a	
	healthy lifestyle	
	Describe the effects of drugs and	
	smoking on our health	
	Describe the advantages and	
	disadvantages of selective breeding of food	
	Describe how living things are adapted to their environment	
	Describe why living things become	
	extinct	
	Explain how fossils are used to look into	
	the past	
	Describe natural selection	
Chemistry		
Marvellous Mixtures	Describe the effect of dissolving,	
	evaporating & condensing on separating	
	solutions	
	001010	

Year 6:

Write a method of how to separate pure salt from a rock salt mixture
Describe what happens when oil and lemonade mix

Physics	
Electricity	Make simple Circuits
	Explain the role of electrons in circuits
	and how resistance occurs
	Identify electrical symbols
	Can construct a burglar alarm
Light	Create a model to explain how light
	travels
	Describe how a pinhole camera works
	Investigate how different variables
	affect shadow sizes; and then describe
	how they form
	Draw a labelled ray diagram explaining
	i=r
	Explain what happens when light travels
	through a lens
	Explain why a prism forms a spectrum
	and how secondary colours are formed