

Science						
Year4	Autumn		Spring		Summer	
	Rocks and Soils		Habitats and Teeth & Eating		Sound & Light & Shadow	
	Term1	Term2	Term1	Term2	Term1	Term2
	Rocks	Soils	Habitats	Teeth & Eating	Sound	Light and Shadow
Knowledge (must know)	<ul style="list-style-type: none"> -3 types of rocks -how they are formed -how to classify the 3 types of rocks -the type of rocks that are used in building England's famous monuments -what are fossils and how they are formed -understand how coal is formed 	<ul style="list-style-type: none"> -how soil is formed and the profile of soil -the different types of soils in different parts of UK and understand why it is different -the importance of soil 	<ul style="list-style-type: none"> -that living things can be grouped in a variety of ways and that varying habitats found in UK -animal groups and flowering and non-flowering plants found in England -how habitats change over the year -how to construct and interpret a variety of food chains, identifying producers, predators and prey 	<ul style="list-style-type: none"> -the different types of teeth in humans and their simple functions -the specific parts of a human tooth 	<ul style="list-style-type: none"> -how sound travels -the difference between pitch and volume -how a human ear works -that sound needs a medium to travel -how a range of different musical instruments make sound 	<ul style="list-style-type: none"> -that light travels in straight line -how shadows are formed -how a reflection is created -what an eclipses is and name two different types
(skills) (be able to)	<ul style="list-style-type: none"> -identify specific rock using a key -plan a fair test to find out the hardness and permeability of rocks -explain why fossil fuels are formed in sedimentary rocks -explain why coal is not good for the environment 	<ul style="list-style-type: none"> -plan a fair test to identify different types of soil - explain why farmers rotate crops -explain why farmers use manure 	<ul style="list-style-type: none"> -create keys to identify animals found in England -create keys to identify plants found in England -explore human impact on environment 	<ul style="list-style-type: none"> -compare the teeth of carnivores and herbivores -suggest reasons for the differences -plan a fair test to find out which drinks cause teeth decay 	<ul style="list-style-type: none"> -plan a fair test to test materials to make earmuffs -plan a fair test to identify how the pitch of a musical instrument can be changed 	<ul style="list-style-type: none"> -plan a fair test to find patterns in the way that the size of shadows changes -draw a ray diagram to show how we see -identify the difference between real and virtual image -create a model of a pin hole camera
Key vocabulary	igneous metamorphic	manure decompose	phylum classification	decay	pitch frequency	penumbra refraction
Links						
Ass.						
Performanc e/debate/ world of work						