Year A	Science Assessment document- Year Five and Six									
	Upper Key Stage Two Key Skills-									
	 Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary Use test results to make predictions to set up further comparative and fair tests Take measurements, using a range of scientific equipment, with increasing accuracy and precision, taking repeat readings when appropriate Record data and results of increasing complexity using scientific diagrams and labels, classification keys, tables, scatter graphs, bar and line graphs, Report and present findings from enquiries, including conclusions, causal relationships and explanations results, explanations of and degree of trust in results, in oral and written forms such as displays and other presentations 									
	Properties and Changes of Materials	Earth and space	Forces	Living things and their habitats	Evolution and Inheritance	Plants				
	Know some materials will dissolve in a liquid to form a solution. Know how to recover a substance from a solution: evaporation. Decide how to separate mixtures using filtering, sieving and evaporating Know dissolving, mixing and changes of state can be reversible and irreversible (when a new material is formed) e.g.	Know unsupported objects fall to Earth due to the force of gravity.	Know the effects of water resistance, air resistance and friction between moving surfaces. Know that mechanisms: levers, gears, pulleys, allow a smaller force to have a greater effect.	Describe how living things are classified into broad groups according to observable characteristics. Divide broad groups including micro- organisms, plants, mammals, Use and create simple classification keys. Learn about Carl Linnaeus. Give reasons for classifying plants and animals based on specific characteristics	Know living things have changed over time: fossils provide evidence of this. Know living things produce offspring that are not identical to the parents: variety/inheritance Know that animals and plants are adapted to suit their environment and that adaptation may lead to evolution.	Describe the life processes of reproduction in some plants: sexual and asexual reproduction.				
Working towards expected										
Working at expected										

Year B	Science Assessment document- Year Five and Six										
	Upper Key Stage Two Key Ski										
	 Planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary Take 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										
	• Reporting and presenting findings from enquiries, including conclusions, causal relationships and explanations of and a 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										
	habitats	materials	Animais including numans	Light	Electricity	Animais including numans					
	Describe how living things	Compare and group	Describe ways that	Know that light appears to	Associate the brightness of	Describe the changes as					
	are classified into broad	materials according to	nutrients and water are	travel in straight lines	a lamp or the volume of a	humans develop to old					
	groups according to	their properties: hardness,	transported within		buzzer with the number	age.					
	observable characteristics.	solubility, transparency,	animals.	Know that objects are seen	and voltage of cells used in						
		electrical and thermal		because they give out or	the circuit	Identify and name the					
	Divide broad groups	conductivity, magnetic	Describe how living things	reflect light into the eye		main parts of the human					
	including micro-	response.	are classified into broad		Compare and give reasons	circulatory system.					
	organisms, plants,		groups according to	Know we see things	for variations in how						
	mammais,		observable characteristics.	because light travels from	components function,	Describe the function of					
	Lise and create simple		including micro	from light sources to	hulbs the loudness of	and blood					
	classification keys		organisms plants	objects and then to our	builds, the localitiess of	Becognise the impact of					
	classification keys.		mammals	eves	position of switches	diet exercise and					
	Learn about Carl Linnaeus.					drugs on the way bodies					
			Use and create simple	Know why shadows have	Use recognised symbols	function.					
	Give reasons for classifying		classification keys.	the same shape as the	when representing a						
	plants and animals based			objects that cast them.	simple circuit in a diagram	Describe ways that					
	on specific characteristics.		Describe the life cycles of a			nutrients and water are					
			mammal, amphibian,			transported within					
			insect and bird.			humans.					
			Describe the process of								
			reproduction in some								
			animals.								
Working											
towards .											
expected											
Working at											
expected											