## UKS2 Cycle A

Working Scientifically

Scientific enquiry	Practical investigation	Communicating	Interpreting evidence
Explores ideas and	With increasing confidence selects	Decides how to record data from a choice of familiar approaches.	Looks for different
raises different kinds of relevant	and plans the most appropriate type of scientific enquiry for answering a scientific question.	Uses relevant scientific language and illustrations to discuss and communicate their ideas. Is sometimes able to justify their scientific ideas.	causal relationships in their data and begins to identify ovidence that
kinds of relevant questions. Recognises which secondary sources are most useful to research their ideas and begins to recognise that there are differences between facts and opinions. Explores ideas and raises different kinds of relevant questions arising from correct scientific principles. Recognises which secondary sources will be most useful to research their ideas and begins separate opinions from fact.			their data and begins to identify evidence that refutes or supports their ideas. Uses their results to identify when further tests and observations might be needed. Looks for different causal relationships in their data and identifies evidence that refutes or supports their ideas. Uses test results to make predictions to set up further comparative and fair tests.

## UKS2 Cycle A Knowledge and Understanding

Framed (Autumn 1 & 2)	The Victorians	Where art thou? (Summer 1 & 2)	
Properties and changes of materials	Classification, Evolution and Inheritance	Electricity	
tests, for the particular uses of everyday materials, including metals, wood and plastic.			
Demonstrates that dissolving, mixing and changes of state are reversible changes.	Could work scientifically by: using classification systems and keys to identify some animals and plants in the immediate environment.		
Explains that some changes result in the formation of new materials, and that this kind of change is not usually reversible, including changes associated with burning and the action of acid on bicarbonate of soda.			