Y3 Knowledge (see knowledge organisers for full detail)	Y4 Knowledge (see knowledge organisers for full detail)
Plants Animals including Humans (Skeletons) Rocks Light Forces & Magnets	Living Things & Their Habitats Animals Including Humans (including teeth & digestion) States of Matter Including Material Changes Sound Electricity
Y3 Skills With support ask relevant questions and use different types of scientific enquires to answer them With support set up simple practical enquiries, comparative and faire tests With support make systematic and careful observations Take accurate measurements using standard units Use a range of equipment including thermometers Gather, record, classify and present data using a range of charts Record finings using simple scientific language; drawings; labelled diagrams, keys, bar charts and tables Use written and or oral explanations, displays or presentations of results and conclusions Using results to draw simple conclusions and begin to suggest improvements Identify differences and similarities related to simple scientific ideas and processes Use scientific evidence to answer questions or to support findings	**Y4 Skills** Independently ask relevant questions and use different types of scientific enquiries to answer them Independently set up simple practical enquiries, comparative and fair tests Independently make systematic and careful observations and where appropriate, take accurate measurements using standard units, using a range of equipment, including thermometers and data logging Gather, record, classify and present data in a variety of ways including scatter graphs and line graphs in helping to answer questions Record findings using simple scientific language, drawings, labelled diagrams, keys, bar charts and tables. Report on findings from enquiries, including oral and written explanations, displays or presentations of results and conclusions Use results to draw simple conclusions, make predictions for new values and suggest improvements and raise further questions Identify differences and similarities or changes related to simple scientific ideas and processes Use straightforward scientific evidence to answer questions or to support findings.
LKS2 Scientific Concepts As Scientists we explore, talk about, test and develop our ideas about everyday phenomena and the relationships between living things and familiar environments As Scientists we ask our own scientific questions and decide how to use enquiry to answer those questions As Scientists we draw simple conclusions and use scientific language orally and in writing	
Y5 Knowledge	**Y6 Knowledge (see knowledge organisers for full detail)**

Living Things and Their Habitats Animals Including Humans Properties & Changes of Materials Earth & Space Forces	Living Things and Their Habitats DNA/Evolution & Inheritance Animals Including Humans Light Electricity
Y5 Skills Plan different types of scientific enquiries to answer questions, beginning to recognise & control variables where necessary 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, bar graphs Use test results to make predictions to set up further comparative and fair tests Report and present findings from enquiries including conclusions, causal relationships, in oral and written forms such as displays and other presentations Identify scientific evidence that has been used to support or refute ideas or arguments.	**Y6 Skills** Plan different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary Take measurements and choose own 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 and line/ bar graphs Use test results to make predictions and set up further comparative and fair tests deciding for themselves how to do this. Report and present findings from enquiries, including conclusions, causal relationships and explanations of and degree of trust in results, in oral and written forms such as displays and other presentations Identify scientific evidence that has been used to support or refute ideas or arguments.
UKS2 Scientific Concepts As Scientists we analyse functions, relationships and interactions systematically in order to develop a deeper understanding of wide ranging scientific ideas. As Scientists we work with more abstract ideas in order to understand and predict how the world operates recognising that scientific ideas change and develop over time As Scientists we decide how to answer scientific questions through science enquiry carrying out comparative and fair tests and using a wide range of secondary sources of information.	