Progression of Scientific Skills at The Mosley Academy:

Our Curriculum follows the National Curriculum 2014 with guidance taken from Developing Experts.

Progression of Skills – Key Stage 1

	Year 1 Animals including Humans	Year 1 Plants	Year 1 Everyday Materials	Year 1 Seasonal Changes	Year 2 Animals Including Humans	Year 2 Plants	Year 2 Everyday Materials	Year 2 Living Things and Their Habitats
Asking simple questions and recognise that they can be answered in different ways								
Observe closely, using simple equipment								
Perform simple tests								
Identify and classify								
Use their observations and ideas to suggest answers to questions								
Gather and record data to help in answering questions.								

Progression of Skills – Lower Key Stage 2

	Year 3 Animals including Humans	Year 3 Plants	Year 3 Forces and Magnets	Year 3 Light	Year 3 Rocks	Year 4 Animals including Humans	Year 4 Living Things and Their Habitats	Year 4 Electricity	Year 4 Sound	Year 4 States of Matter
Ask relevant questions and using different types of scientific enquiries to answer them										
Set up simple practical enquiries, comparative and fair tests										
Make systematic and careful observations and, where appropriate, taking accurate measurements using standard units, using a range of equipment, including thermometers and data loggers										
Gather, record, classify and										

present data in a variety of ways to help in answering 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, suggest improvements and raise further questions										
Identify differences,										

similarities or changes related to simple scientific ideas and processes										
Use straightforward scientific evidence to answer questions or to support their findings.										

Progression of Skills – Upper Key Stage 2

	Year 5 Living Things and Their Habitats	Year 5 Animals, including Humans	Year 5 Properties and changes of Materials	Year 5 Earth and Space	Year 5 Forces	Year 6 Living Things and Their Habitats	Year 6 Animals including Humans	Year 6 Evolution and Inheritance	Year 6 Light	Year 6 Electricity
Plan 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										
Record data and results of increasing complexity using scientific diagrams and labels, classification										

keys, tables, scatter graphs, bar and line 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 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										