

[illegible]

Working Scientifically Upper KS2	Year 5						Year 6					
	Human Body	Materials	Living Things	Forces	Astronomy	Meteorology	The Human Body	Classification	Electricity	Light	Reproduction	Evolution
Statutory												
planning different types of scientific enquiries to answer questions, including recognising and controlling variables where necessary	✓	✓	✓	✓			✓		✓	✓	✓	
taking 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	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
using test results to make predictions to set up further comparative and fair tests		✓		✓			✓		✓	✓		
reporting and presenting 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	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓
identifying scientific evidence that has been used to support or refute ideas or arguments	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Notes and guidance (non-statutory)												
plan the most appropriate type of scientific enquiry to use to answer scientific questions	✓	✓	✓	✓			✓		✓	✓	✓	
recognise when and how to set up comparative and fair tests and explain which variables need to be controlled and why	✓	✓		✓			✓		✓	✓	✓	
use and develop keys and other information records to identify, classify and describe living things and materials	✓	✓	✓		✓	✓	✓	✓		✓	✓	✓
make their own decisions about what observations to make, what measurements to use and how long to make them for, and whether to repeat them		✓		✓			✓		✓	✓	✓	
choose the most appropriate equipment to make measurements and explain how to use it accurately		✓		✓		✓	✓		✓			
decide how to record data from a choice of familiar approaches	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
look for different causal relationships in their data and use relevant scientific language and illustrations	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
use their results to identify when further tests and observations might be needed	✓	✓		✓			✓		✓	✓		
talk about how scientific ideas have developed over time	✓		✓		✓	✓	✓	✓	✓	✓		✓