GCSE Combined Science
Performance Profile

	Grade 2/3	Grade 4/5	Grade 6/7	Grade 8/9
AO1 Remember	Remember some basic facts.	Remember a wide range of basic facts.	Remember key facts about most areas of Science.	Remember key and detailed facts of any area within Science.
	Use a few key words.	Use a few key words for any topic studied.	They usually use appropriate terminology in answers (key words and phrases)	They always use appropriate terminology in answers (key words and phrases)
	Realise simple or obvious effects of science on society.	Understand scientific discoveries have risks and benefits.	They can see the relationships between scientific advances, their ethical implications and the benefits and risks associated with them.	They can explain the relationships between scientific advances, their ethical implications and the benefits and risks associated with them.
AO2 Applying knowledge	They can occasionally apply knowledge effectively in a range of contexts.	They usually apply knowledge effectively in a range of contexts.	They usually apply knowledge effectively in a wide range of contexts.	They always apply knowledge effectively in a wide range of contexts.
	They can occasionally use theories to make simple explanations of events.	They can usually use theories to make simple explanations of events.	They can usually use theories to make detailed explanations of events.	They can always use theories to make detailed explanations of events.
	They can occasionally use data to support evidence.	They can sometimes use data to support evidence.	They can usually use data to support evidence.	They always make effective use of data to support evidence.
	They can usually use equations in calculations.	They can consistently use and sometimes rearrange equations in calculations.	They can usually rearrange equations in calculations.	They can consistently rearrange equations in calculations.
AO3 Analyse & Evaluate	They evaluate basic information to develop simple arguments and explanations.	They evaluate information to develop arguments and explanations.	They evaluate information systematically to develop arguments and explanations.	They evaluate information from a wide range of sources systematically to develop arguments and explanations.
	They usually draw conclusions consistent with the available evidence.	They consistently draw conclusions consistent with the available evidence.	They usually draw detailed, evidence-based conclusions.	They consistently draw detailed, evidence-based conclusions.
	They can recognise anomalous results and spot some causes of error in experimental procedures.	They can spot some causs of error and uncertainty in data or experimental procedures.	They can usually spot causes of error and uncertainty in data or experimental procedures.	They can consistently spot causes of error and uncertainty in data or experimental procedures.
AO4 Scientific literacy	They occasionally know the units of quantities.	They know the units of the key quantities.	They know the unit and/or symbol of most quantities.	They know the unit and/or symbol of every quantity.
	Sometimes accurate spelling and correct use of punctuation, sentences, capital letters and paragraphs.	Mostly accurate spelling and correct use of punctuation, sentences, capital letters and paragraphs.	Usually accurate spelling and correct use of punctuation, sentences, capital letters and paragraphs.	Faultless spelling and correct use of punctuation, sentences, capital letters and paragraphs.