Science	Year 9

GFS Assessment Level	Assessment Criteria
M2	• I can demonstrate mostly accurate and appropriate knowledge and understanding and apply these mostly correctly to familiar and unfamiliar contexts, using mostly accurate scientific terminology • I can use appropriate mathematical skills to perform multi-step calculations • I can analyse qualitative and quantitative data to draw conclusions supported by some evidence • I can evaluate methodologies to suggest improvements to experimental methods, and comment on scientific conclusions • I can use a tangent to measure a rate of change • I can use scientific theories and explanations to develop hypotheses • I can determine the slope and intercept of a linear graph
M1	• I can analyse qualitative and quantitative data to draw conclusions supported by some evidence • I can evaluate methodologies to suggest improvements to experimental methods, and comment on scientific conclusions • I can demonstrate mostly accurate and appropriate knowledge and understanding and apply these correctly to familiar and unfamiliar contexts • I can use appropriate mathematical skills to perform multi-step calculations • I can make a prediction based on my scientific understanding • I can assess the validity of scientific claims
S3	• I can demonstrate accurate and appropriate knowledge and understanding and apply my knowledge to a range of different sources • I can use appropriate mathematical skills to perform multi-step calculations • I can analyse qualitative and quantitative data to draw plausible conclusions supported by some evidence • I can evaluate methodologies to suggest improvements to experimental methods, and comment on scientific conclusions • I can select and draw an appropriate graph • I can decide if data supports a particular theory • I can recall a sequence of related events
S2	• I can analyse qualitative and quantitative data to draw plausible conclusions supported by some evidence • I can evaluate data in terms of accuracy, precision, repeatability and reproducibility demonstrate some relevant scientific knowledge and understanding using limited scientific terminology

	• I can write a detailed conclusion for practical results • I can demonstrate some relevant scientific knowledge and understanding using limited scientific terminology • I can perform basic calculations and rearrange equations • I can identify a sequence in a series of events • I can always select the appropriate structure for my answer • I can use ratios, fractions and percentages and rearrange equations given
S1	• I can draw conclusions from qualitative and quantitative data supported by some evidence • I can evaluate data in terms of accuracy, precision, repeatability and reproducibility demonstrate some relevant scientific knowledge and understanding using limited scientific terminology • I can perform basic calculations • I can select the appropriate structure for my answer most of the time • I can recognise patterns and trends in graphs and tables
D2	• I can demonstrate some relevant scientific knowledge and understanding using limited scientific terminology • I can perform basic calculations • I can draw simple conclusions from qualitative or quantitative data • I can make basic comments relating to experimental methods • I can rearrange scientific equations • I can use a scientific model to explain an answer
D1	• I can use a range of scientific keywords in an answer • I can perform basic calculations • I can draw simple conclusions from qualitative or quantitative data • I can make basic comments relating to experimental methods • I can plan an experiment and state the control variables
E2	• I can provide an explanation for a known situation • I can draw simple conclusions from qualitative or quantitative data • I can make basic comments relating to experimental methods • I can label diagrams, tables and graphs with taught information
E1	• I can make basic comments relating to experimental methods • I can provide a definition for a keyword • I can perform simple calculations such as the mean, median and mode • I can use keywords to provide an explanation