

# Year 7 Skills Pathway - Science

	Bronze 1-4	Silver 5-6	Gold 6-7	Platinum 7-9
<b>Scientific Writing</b>	I can recall select and communicate a basic knowledge and understanding of Science	I can recall select and communicate a broad range of knowledge and understanding of Science  I can apply this in developing simple explanations	I can recall select and communicate a broad and secure knowledge and understanding of Science  I can use this to develop effective arguments and explanations	I can recall select and communicate precise knowledge and detailed understanding of Science.  I can evaluate information or models to develop complex arguments and explanations
<b>Data Presentation</b>	I can present work or data as a simple table or graph  I can correctly identify the pattern shown	I can choose an appropriate graph or table to display data.  I am able to describe patterns in numerical or graphical data.	I can explain the pattern shown by numerical or graphical data.  I can identify anomalous results in numerical or graphical data  I can use an appropriate line of best fit	I can interpolate and extrapolate with accuracy;  I can explain and suggest reasons for anomalous results in my graphs.
<b>Variables, reliability and accuracy</b>	I can identify a factor that can be changed, measured and controlled.  I can select some appropriate equipment for a task  I can measure a variety of quantities effectively.	I can identify independent, dependent and some control variables.  I can make appropriate measurements, observations and comparisons relevant for the task.	I can identify independent, dependent and most control variables.  I can explain the number and range of measurements taken  I can plan for accuracy through the choice of equipment and technique.	I can discuss reasons for controlling identified control variables. I recognise that some variables cannot be controlled  I can justify the range and number of measurements taken.  I can plan for reliability through trial runs, repeat readings and accurate practical techniques.
<b>Analysis and evaluation</b>	I can draw simple conclusions consistent with the evidence  I can suggest improvements to the method	I can draw conclusions consistent with the evidence and describe them with support, using scientific ideas and explanations.  I can describe how planning and implementation could be improved	I can draw conclusions consistent with evidence and explain them using scientific ideas and explanations.  I can evaluate my planning and implementation, describing how the quality of my evidence could be improved.	I can identify and suggest reasons for anomalous results  I can explain how to account for errors and anomalies and can suggest what additional evidence could be collected to support my conclusions.



Courage and Courtesy

