



Attainment Band	<p style="text-align: center;"><u>Skills</u> Knowledge and Understanding</p>
<b>Yellow/Yellow +</b>	<ul style="list-style-type: none"> <li>● Carry out a survey on the class to investigate height and eye colour. Identify: hypothesis &amp; key variables.</li> <li>● Be able to describe the different types of data; draw an appropriate results table and plot an appropriate graph</li> <li>● Analyse data from a range of line (scatter) graphs and define directly proportional correlation</li> <li>● Independently plot a line graph</li> <li>● Describe what a graph is telling you: Use a graph to come up with a conclusion</li> <li>● Plan an investigation. State the hypothesis, describe the variables in detail. Write a step by step method and carry out a safety evaluation</li> <li>● Carry out the experiment independently and safely. Write a conclusion and evaluate your results</li> <li>● Identify data as being reliable or biased. Write either a reliable or biased view on GMO's. Highlight how you have used language appropriately</li> <li>● Evaluate the impact of a scientific discovery: Use the risk:benefit ratio to come to a probable decision</li> <li>● Prepare for an end of unit test by creating flash cards: populate the cards with key words on one side definitions on the other</li> <li>● Use techniques such as BUSBY to read, understand and scaffold a response to the questions. Practice good exam technique in terms of timing and attempting all questions.</li> </ul>
<b>Blue</b>	<ul style="list-style-type: none"> <li>● Carry out a survey on the class to investigate height and eye colour. Identify: hypothesis &amp; some variables</li> <li>● With help draw an appropriate results table and plot an appropriate graph</li> <li>● Define directly proportional correlation. Identify a positive or negative correlation from line (scatter) graphs.</li> <li>● With some help plot a line graph</li> <li>● Describe what a graph is telling you: With help come up with a conclusion</li> <li>● With help plan an investigation. State the hypothesis, describe the variables. Write a step by step method and carry out a safety evaluation</li> <li>● Carry out the experiment with help and work safely. Write a conclusion</li> <li>● Identify data as being reliable or biased. Highlight how you have used the language in the reliable or biased articles to identify them as such</li> <li>● Define risk:benefit ratio. Explain how it is used to come to a probable decision when evaluating scientific advances</li> <li>● Prepare for an end of unit test by creating flash cards: populate the cards with key words</li> <li>● With prompting; use techniques such as BUSBY to read, understand and scaffold a response to the questions. Practice good exam technique in terms of timing and attempting all questions.</li> </ul>



<b>Green</b>	<ul style="list-style-type: none"><li>● Carry out a survey on the class to investigate eye colour. Identify: hypothesis &amp; some variables</li><li>● With help draw an appropriate results table and plot an appropriate bar chart</li><li>● Define directly proportional correlation. Identify a positive correlation from line (scatter) graphs.</li><li>● With help, to draw the axis and determine a suitable scale, plot a line graph</li><li>● Using a writing frame to help you generate a conclusion from a graph</li><li>● With help plan an investigation. State the hypothesis, describe the variables. Follow a pre-printed a step by step method paying attention to the safety instructions</li><li>● Carry out the experiment with help and work safely. Write a conclusion; assisted with a writing frame if necessary</li><li>● Define reliable and biased. Identify data as being reliable or biased</li><li>● Explain why it is important to carefully evaluate scientific advances</li><li>● Prepare for an end of unit test by using the flash cards you are given</li><li>● With help; use techniques such as BUSBY to read, understand and scaffold a response to the questions. Practice good exam technique in terms of timing and attempting all questions</li></ul>
<b>White</b>	<ul style="list-style-type: none"><li>● Some of the above elements have been achieved.</li></ul>