

### Science KS3 Assessment Framework

	Beginning Grade 1	Working Towards Grade 2-3	Expected Grade 4-5	Exceeding Grade 6-7	Excelling Grade 8-9
<b>Respiration</b>	<p>I can:</p> <p>Name the organism used to make bread, beer, and wine.</p> <p>Make observations about the rising of bread dough in an investigation.</p>	<p>I can:</p> <p>Give the name of the process by which energy is released in cells.</p> <p>Plan an investigation to measure the effect of exercise on breathing rates.</p> <p>State the products of anaerobic respiration.</p> <p>State what is meant by fermentation.</p> <p>Describe how bread, beer, and wine are made.</p>	<p>I can:</p> <p>State the requirements and process for aerobic respiration.</p> <p>State one difference between aerobic and anaerobic respiration.</p> <p>State the word equation for aerobic respiration.</p> <p>State the word equation for anaerobic respiration.</p> <p>Write the word equation for fermentation.</p> <p>Carry out an investigation to investigate the effect of temperature on fermentation, recording measurements and drawing a conclusion.</p> <p>Describe the differences between aerobic and anaerobic respiration.</p>	<p>I can:</p> <p>Explain how the reactants for respiration get into the cells.</p> <p>Explain the uses of the products from anaerobic respiration.</p> <p>Explain why temperature is important in the making of bread, beer, and wine.</p>	<p>I can:</p> <p>Use the results from the fermentation practical to draw a conclusion, and suggest one way to minimise error.</p> <p>Evaluate data collected, suggesting possible sources of error.</p>