



Assessment grid			
Subject: <b>Science</b>		Year: <b>7</b>	Topic/module: <b>The Earth and Rocks</b>
KS4 target direction	4	6	8(9)
<b>Advanced</b>	Enrichment/extension – reaching, or part of, next pathway → Features of work may include:	Enrichment/extension – reaching, or part of, next pathway → Features of work may include:	Enrichment/extension Features of work may include:
<b>Secure</b>  <i>Students must achieve competence in <b>all</b> statements before being judged 'Secure'</i>	<b>Secure</b> The student can: <ul style="list-style-type: none"> <li>Name the layers of the Earth.</li> <li>Name the main components of the atmosphere</li> <li>State a property of sedimentary rocks</li> <li>State one difference between igneous and metamorphic rocks</li> <li>Give simple facts about how a rock can be changed from one type to another</li> <li>State the changes in levels of carbon dioxide over time.</li> <li>State a cause and one impact of global warming</li> <li>Give one advantage and one disadvantage of recycling</li> </ul>	<b>Secure</b> The student can: <ul style="list-style-type: none"> <li>Describe properties of the different layers of the Earth's structure</li> <li>Explain how sedimentary rocks are made</li> <li>Explain how igneous and metamorphic rocks form</li> <li>Use the rock cycle to explain how the material in rocks is recycled</li> <li>Explain why the concentration of carbon dioxide in the atmosphere did not change for many years</li> <li>Explain why global warming happens</li> <li>Analyse the advantages and disadvantages of recycling</li> </ul>	<b>Secure</b> The student can: <ul style="list-style-type: none"> <li>Compare the different layers of the Earth in terms of their properties</li> <li>Explain two properties of sedimentary rocks by linking them to the rock structure and formation</li> <li>Discuss examples of rocks that illustrate the different methods of formation of igneous and metamorphic rocks</li> <li>Use equations to explain processes that exchange carbon dioxide to and from the atmosphere</li> <li>Explain changes in the levels of carbon dioxide using stages of the carbon cycle</li> <li>Discuss in detail the impacts of global warming, identifying primary and secondary problems</li> <li>Use data to discuss the relative benefits and drawbacks of recycling materials</li> </ul>
<b>Developing</b>	Mostly secure – one or more gaps For example:	Mostly secure – one or more gaps For example:	Mostly secure – one or more gaps For example:
<b>Beginning</b>	Significant gaps	Significant gaps	Significant gaps