



Assessment grid			
Subject: <b>Science</b>	Year: <b>8</b>	Topic/module: <b>The Periodic Table</b>	
<b>KS4 target direction</b>	<b>4</b>	<b>6</b>	<b>8(9)</b>
<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 all statements before being judged 'Secure'</i>	<b>Secure</b> The student can: <ul style="list-style-type: none"><li>• State some common properties of metals and non-metals</li><li>• Describe in simple terms what pattern is shown in a given property of a group or period</li><li>• State the products of the reaction between two Group 1 metals with water</li><li>• State a pattern shown by the Group 7 elements</li><li>• State simply what happens in a displacement reaction</li><li>• State a chemical and a physical property of Group 0 elements</li><li>• Describe the reactivity of Group 0 elements</li></ul>	<b>Secure</b> The student can: <ul style="list-style-type: none"><li>• Use patterns to classify an element as a metal or non-metal</li><li>• Use patterns to predict properties of elements</li><li>• Compare patterns in properties in the groups and periods of the Periodic Table.</li><li>• Interpret data to describe patterns in properties of the Group 1 elements</li><li>• Use patterns to predict properties of Group 1 elements</li><li>• Use patterns to predict properties of Group 7 elements</li><li>• Describe displacement reactions</li><li>• Describe the physical and chemical properties of the Group 0 elements</li></ul>	<b>Secure</b> The student can: <ul style="list-style-type: none"><li>• Predict the properties of an element, given its position on the Periodic Table</li><li>• Explain how the position of an element can be used to suggest properties of elements</li><li>• Apply patterns shown within groups or periods to unknown elements.</li><li>• Describe patterns in the properties of Group 1 elements using data given</li><li>• Write word equations to represent displacement reactions</li><li>• Link information about Group 0 elements to their properties.</li><li>• Compare the trends in Group 0 with those of Group 1 and Group 7 elements.</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