

## Chemistry GCSE Skills and Knowledge Personalised Learning Checklists (PLC)

<b>Triple Chemistry:</b> 2 exams 45% each and 10% practical						
<b>Double Award Chemistry:</b> 2 exams worth 15% each and practicals.						
<b>RAG rating (S=student T=Teacher)</b>	<b>Red Weak</b>		<b>Amber To improve</b>		<b>Green Strong</b>	
	<b>S</b>	<b>T</b>	<b>S</b>	<b>T</b>	<b>S</b>	<b>T</b>
<b>Defining:</b> words or phrases						
<b>Explaining:</b> why something happens						
<b>Calculating:</b> (Using numbers given to work out answers)						
<b>Evaluating:</b> Comparing the evidence for and against something using your knowledge and information provided.						
<b>Comparing:</b> writing about similarities & differences between things.						
<b>Describing:</b> writing about a thing, event or process without giving reasons why it happens.						
<b>UNIT 1 - CHEMICAL SUBSTANCES, REACTIONS and ESSENTIAL RESOURCES</b>						
1.1-The nature of substances and chemical reactions.						
1.2 Atomic structure and the periodic table.						
1.3 Water						
1.4 The ever changing earth						
1.5 Rate of chemical change						
1.6 (Not in double award) Limestone						
<b>UNIT 2 - CHEMICAL BONDING, APPLICATION OF CHEMICAL REACTIONS and ORGANIC CHEMISTRY</b>						
2.1 Bondings, structure and properties.						
2.2 Acids, bases and salts.						
2.3 Metals and their extraction.						
2.4 Chemical reactions and energy						
2.5 Crude oil, fuels and organic chemistry.						
2.6 (Not in double award) Reversible reactions, industrial processes & important chemicals.						