

Subject	Chemistry		
	Interpretation of National Curriculum into Year group Endpoints		
Year	Term 1	Term 2	Term 3
10	<p>Students will describe and explain the concepts of:</p> <p>C3 Quantitative chemistry</p> <ul style="list-style-type: none"> the number of particles in a given mass of a substance determination of empirical formulae from the ratio of atoms of different kinds balanced chemical equations, ionic equations and state symbols quantitative interpretation of balanced equations concentrations of solutions in relation to mass of solute and volume of solvent <p>C5 Energy changes</p> <ul style="list-style-type: none"> measurement of energy changes in chemical reactions bond breaking, bond making, activation energy and reaction profiles 	<p>Students will describe and explain the concepts of:</p> <p>C6 The rate and extent of chemical change</p> <ul style="list-style-type: none"> factors that influence the rate of reaction: varying temperature or concentration, changing the surface area of a solid reactant or by adding a catalyst factors affecting reversible reactions 	<p>Students will describe and explain the concepts of:</p> <p>C7 Organic chemistry</p> <ul style="list-style-type: none"> carbon compounds, both as fuels and feedstock, and the competing demands for limited resources fractional distillation of crude oil and cracking to make more useful materials <p>Revision for, taking and review and intervention after Y10 PPEs</p>