

Chemistry at Samuel Whitbread Academy
Curriculum Sequencing

Year 12& 13:

	AS		A2		
	Paper1	Paper2	Paper1	Paper2	Paper3
Weighting (%)	50	50	35	35	30
3.1 Physical chemistry					
3.1.1 Atomic structure					
3.1.2 Amount of substance					
3.1.3 Bonding					
3.1.4 Energetics					
3.1.5 Kinetics					
3.1.6 Chemical equilibria, Le Chatelier's principle and Kc					
3.1.7 Oxidation, reduction and redox equations					
3.1.8 Thermodynamics					
3.1.9 Rate equations					
3.1.10 Equilibrium constant Kp for homogeneous systems					
3.1.11 Electrode potentials and electrochemical cells					
3.1.12 Acids and bases					
3.2 Inorganic chemistry					
3.2.1 Periodicity					
3.2.2 Group 2, the alkaline earth metals					
3.2.3 Group 7(17), the halogens					
3.2.4 Properties of Period 3 elements and their oxides					
3.2.5 Transition metals					
3.2.6 Reactions of ions in aqueous solution					
3.3 Organic chemistry					
3.3.1 Introduction to organic chemistry					
3.3.2 Alkanes					
3.3.3 Halogenoalkanes					
3.3.4 Alkenes					

