Park Academy West London
an Aspirations Academy

Key Stage 5 Chemistry Curriculum Map

		Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
Year 12	*Content*	3.1.1 Atomic Structure 3.1.2 Amount of substance 3.1.3 Bonding	3.3.1 Introduction to organic chemistry 3.3.2 Alkanes 3.3.3 Halogenoalkanes 3.3.4 Alkenes	3.1.7 Oxidation reduction and redox equations. 3.2.2 Group 2, the alkaline earth metals 3.2.3 Group 7(17), the halogens 3.1.4 Energetics	3.1.5 Kinetics 3.1.6 Chemical equilibria and Le Chatlier's principle and Kc 3.3.5 Alcohols 3.3.6 Organic Analysis	3.1.8 Thermodynamics 3.3.7 Optical isomerism	Revision and Intervention
Year 13	*Content*	3.3.7 Optical isomerism 3.3.8 Aldehydes and ketones 3.3.9 Carboxylic acids and derivates 3.1.8 Thermodynamics	3.1.9 Rate equations 3.1.10 Equilibrium constant Kp for homogenous system 3.1.12 Acid and Bases 3.3.10 Aromatic chemistry 3.3.11 Amines	3.3.12 Polymers 3.3.13 Amino acids, proteins and DNA 3.1.11 Electrode potentials and electrochemical cells 3.2.5 Transition metals 3.2.6 Reaction of ions in aqueous solution	3.2.4 properties of Period 3 elements and their oxides 3.3.15 Nuclear magnetic resonance spectroscopy 3.3.16 Chromatography 3.3.14 Organic synthesis	Revision and Intervention	