

Scheme of Learning – Long Term Planning

Subject: Chemistry			Key stage 5			
Year	Autumn Term*		Spring Term*		Summer Term*	
	Teacher 1	Teacher 2	Teacher 1	Teacher 2	Teacher 1	Teacher 2
12	<u>Autumn 1</u> Masses, moles and equations, water of crystallisation	Electrons, bonding and structure Synoptic progress test	<u>Spring 1</u> Reactions of group 2 and group 7 elements Periodic table test Introduction to enthalpy	Reactions of alkenes Hydrocarbons test Alcohols	<u>Summer 1</u> Dynamic equilibria	Spectroscopy
	<u>Autumn 2</u> Titrations, periodicity	Introduction to organic chemistry	<u>Spring 2</u> Enthalpy and rates of reaction	Haloalkanes and organic synthesis Synoptic progress test	<u>Summer 2</u> Mock exams Introduction to rate equations	Mock exams Introduction to benzene
13	<u>Autumn 1</u> Rate equations, equilibria calculations	Further organic chemistry and mechanisms Organic test	<u>Spring 1</u> Redox titrations, electrochemistry	Polymers, further spectroscopy	<u>Summer 1</u> Revision	Revision
	<u>Autumn 2</u> Transition metal chemistry	Nitrogen-based functional groups and practical techniques Mock exams	<u>Spring 2</u> Lattice enthalpy Inorganic mock	Organic mock Entropy	<u>Summer 2</u> Exams	Exams