## A Level Chemistry Roadstory

			Term 2		Term 3			Term 4			Term 5		Term 6			
Module	Term 1  Dodule Foundations in Chemistry		The periodic table and energy	Basic concepts of organic chemistry	Alkanes	Alkenes	Alcohols	The periodic table and energy	Haloalkanes	Organic synthesis	The periodic table and energy	The periodic table and energy		carboxylic acids and P derivatives		aromatic compounds
Chemistry Yr 12 Formulae and	Determination of ormulae, Moles and volumes, Reacting quantities, Electron Configurations	Acids, bases, and neutralisati on, Acid- base titrations, Redox	The Periodic Table, Ionisation Energies, Periodic Trends in bonding and structure, Trends in group 2, Redox, The Halogens	Nomenclature of organic compounds, Isomerism, Introduction to reaction mechanisms	Properties of the alkanes, Chemical reactions of the alkanes	The properties of the alkenes, Stereoisomerism, Reactions of the alkenes, Electrophilic addition in alkenes, Polymerisation in alkenes	Properties of alcohols, Reactions of alcohols	Qualitative analysis including practical endorsement, Enthalpy and Hess Law including practical endorsement	The chemistry of the haloalkanes, Organohaloger compounds in the environment	Practical techniques in organ chemistry, Synthetic routes, Pa		The Equilibrium constant Kc	Mass spectrometry, Infrared spectrometry	henzene The	ynthesis of spirin	Introducing benzene, Electrophilic reactions of benzene The chemistry of phenol, Directing groups
Module Aromatic compounds recap am	arbonyl compounds ind carboxylic acids ines amino acids and polymers (recap)	Equilibri	Equilibrium   Ineutralisati			Redox and electrode potentials  Chromatography and spectroscopy  Organic synthesis		Transition elements preparation for exams		Preparation for exams						
Chemistry Yr 13 Introducing benzene, Electrophilic reactions of benzene The chemistry of phenol, Directing groups	arbonyl compounds, lentifying aldehydes d ketones, Carboxylic cids, Carboxylic acid derivatives Amines, mino acids, amides, and chirality, ndensation polymers	constant Kc, The equilibrium strong acids, constant Kp, acid dissociat		and bases, Buffer solutions, acids, The ssociation int K <sub>a</sub> , The veak acids, Neutralisation on	Lattice enthalpy, Enthalpy changes in solution, Factors affecting lattice enthalpy and hydration, Entropy, Free energy	Rodov roactions Manganata (VII)		matography and ctional groups, spectroscopy, C- 13 NMR roscopy, Proton sectroscopy, erpreting NMR tra, Combined techniques	and precipita	igand substitution Ition, redox and revision ve analysis,	n of AS and A2	Revision of AS and A2 content				