KEVI CAMP HILL SCHOOL FOR GIRLS

CHEMISTRY

CURRICULUM MAP (YEARS 7-13)

KING EDWARD VI CAMP HILL SCHOOL FOR GIRLS

Educational excellence for our City

	AUTUMN TERM	SPRING TERM	SUMMER TERM
YEAR 7	**Chemistry is taught as part of KS3 Science** Chemistry content: • Introduction to Laboratory Skills	**Chemistry is taught as part of KS3 Science** Chemistry content: • Particle model • Separating mixtures	**Chemistry is taught as part of KS3 Science** Chemistry content: • Acids and alkalis • Reactions of metals
YEAR 8	**Chemistry is taught as part of KS3 Science** Chemistry content: • Elements • The Periodic Table	**Chemistry is taught as part of KS3 Science** Chemistry content: • Chemical reactions • Energy changes in chemical reactions	**Chemistry is taught as part of KS3 Science** Chemistry content: • The structure of the Earth and the atmosphere
YEAR 9	• Atomic Structure and the Periodic Table	• Chemical Analysis • Organic Chemistry (Crude Oil, Alkanes and Alkenes)	• Chemistry of the Atmosphere
YEAR 10	• Structure and Bonding • Rate and Extent of Chemical Change	• Rate and Extent of Chemical Change • Quantitative Chemistry	• Quantitative chemistry • Chemical Changes
YEAR 11	• Chemical Changes • Energy Changes	• Organic Chemistry (Alcohols, Carboxylic Acids & Esters, Polymers) • Chemical Analysis • Using Resources	• Exams
YEAR 12	• Introduction to A-Level Chemistry • Atomic Structure • Periodicity • Amount of Substance • Bonding • Nomenclature and Isomerism • Energetics	• Alkanes • Haloalkanes • Kinetics • Redox • Group II and Group VII • Alkenes • Alcohols • Equilibria • Organic Analysis	• Chromatography • Equilibria (K_p) • Properties of Period 3 Elements and their Oxides • Making Aspirin • Aromatic chemistry

Subject Leader: Mr Clements, j.clements@chg.kevibham.org.uk

YEAR 13	• Transition Metals • Reactions of Inorganic Ions • Amines • Rate Equations • Optical Isomerism • Aldehydes and Ketones • Carboxylic Acids and their Derivatives • Electrode Potentials	• Thermodynamics • Organic Synthesis • NMR • Polymers • Amino Acids, Proteins and DNA • Acids and Bases	• Revision and Exams