

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: <ul style="list-style-type: none"> • Introduction to Laboratory Skills 	Chemistry is taught as part of KS3 Science Chemistry content: <ul style="list-style-type: none"> • Particle model • Separating mixtures 	Chemistry is taught as part of KS3 Science Chemistry content: <ul style="list-style-type: none"> • Acids and alkalis • Reactions of metals
YEAR 8	Chemistry is taught as part of KS3 Science Chemistry content: <ul style="list-style-type: none"> • Elements • The Periodic Table 	Chemistry is taught as part of KS3 Science Chemistry content: <ul style="list-style-type: none"> • Chemical reactions • Energy changes in chemical reactions 	Chemistry is taught as part of KS3 Science Chemistry content: <ul style="list-style-type: none"> • The structure of the Earth and the atmosphere
YEAR 9	<ul style="list-style-type: none"> • Atomic Structure and the Periodic Table 	<ul style="list-style-type: none"> • Chemistry of the Atmosphere 	<ul style="list-style-type: none"> • Organic Chemistry (Crude Oil, Alkanes and Alkenes) • Using Our Resources I
YEAR 10	<ul style="list-style-type: none"> • Structure and Bonding • Rate and Extent of Chemical Change 	<ul style="list-style-type: none"> • Rate and Extent of Chemical Change • Quantitative Chemistry 	<ul style="list-style-type: none"> • Quantitative chemistry • Chemical Changes
YEAR 11	<ul style="list-style-type: none"> • Chemical Changes • Energy Changes 	<ul style="list-style-type: none"> • Organic Chemistry (Alcohols, Carboxylic Acids & Esters, Polymers) • Using Resources 	<ul style="list-style-type: none"> • Exams
YEAR 12	<ul style="list-style-type: none"> • Introduction to A-Level Chemistry • Atomic Structure • Periodicity • Amount of Substance • Bonding • Nomenclature and Isomerism • Energetics 	<ul style="list-style-type: none"> • Alkanes • Haloalkanes • Kinetics • Redox • Group II and Group VII • Alkenes • Alcohols • Equilibria • Organic Analysis 	<ul style="list-style-type: none"> • Chromatography • Equilibria (K_p) • Properties of Period 3 Elements and their Oxides • Making Aspirin • Aromatic chemistry

<p>YEAR 13</p>	<ul style="list-style-type: none"> • Transition Metals • Reactions of Inorganic Ions • Amines • Rate Equations • Optical Isomerism • Aldehydes and Ketones • Carboxylic Acids and their Derivatives • Electrode Potentials 	<ul style="list-style-type: none"> • Thermodynamics • Organic Synthesis • NMR • Polymers • Amino Acids, Proteins and DNA • Acids and Bases 	<ul style="list-style-type: none"> • Revision and Exams
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