



CHEMISTRY - KS5

Year 12

Half Term 1

Atomic structure and isotopes. Compounds, formula and equations.

Half Term 2

Amount of substance. Electron structure, bonding and structure.

Half Term 3

Acids and periodicity. Redox and basic concepts of organic chemistry.

Half Term 4

Qualitative analysis. Alkanes and alkenes.

Half Term 5

The halogens and enthalpy. Alcohols and haloalkanes.

Half Term 6

Reactions rates and chemical equilibrium. Organic synthesis and analytical techniques.

Year 13

Half Term 1

Chromatography, qualitative analysis and spectroscopy. Aromatic compounds and carbonyl compounds

Half Term 2

Amino acids, amides, chirality and polyesters/polyamides. Carboxylic acids, esters and organic synthesis.

Half Term 3

Lattice enthalpy and entropy. How far? How Fast?

Half Term 4

Redox and electrode potentials and transition elements. Acids, bases and buffers.

Half Term 5

Exam preparation.

Half Term 6

Exam preparation.

