

SUBJECT: Chemistry



EXAM BOARD: AQA

Course Overview

The course is broken up into the 3 main strands of Chemistry these are;

Physical Chemistry - Atomic structure, Amount of substance, Bonding, energetics, Kinetics, Chemical equilibria, Redox, Thermodynamics, Rate equations, Electrode potentials, Acids and Bases

Organic Chemistry – Intro to organic chemistry, Alkanes, Halogenoalkanes, Alkenes, Alcohols, Organic analysis, optical isomerism, aldehydes and ketones, carboxylic acids and derivatives, aromatic chemistry, amines, polymers, amino acids proteins and DNA, organic synthesis, chromatography, NMR

Inorganic Chemistry – Periodicity, Group 2 elements, Group 7 elements, Properties of period 3 elements and their oxides, transition metals, reaction of ions in aqueous solution

Useful websites

AQA Website: <https://www.aqa.org.uk/subjects/science/as-and-a-level/chemistry-7404-7405> Specification outlines, past papers and mark schemes

Notes/revision:

<http://www.chemguide.co.uk/>

<http://a-levelchemistry.co.uk/>

<https://chemrevise.org/revision-guides/>

Essential textbooks and reading list

AQA Chemistry A level Year 1 and AS 2nd Edition (ISBN 978-0-19-835181-8)

Revision guide – CGP A-level Year 1 and AS Chemistry (ISBN – 978 1 78294 3211)

We also have a chemistry library with lots of books available for you to use to widen and further develop your chemistry knowledge

