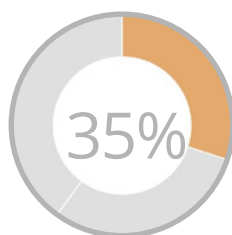


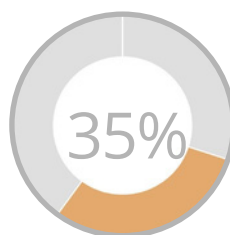
CHEMISTRY

COURSE DASHBOARD

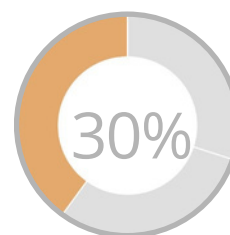
During the 2-year course students will study a range of topics from Inorganic, Organic and Physical Chemistry. Students will also develop their practical competency by completing a number of required practicals.



EXAM 1



EXAM 2



EXAM 3

AQA Chemistry

The topics that you will cover during the course:

3.1 Physical chemistry

Year 12: Atomic structure, Amount of substance, Bonding, Energetics, Kinetics, Chemical equilibria, Le Chatelier's principle and K_c , Oxidation, reduction and redox equations.

Year 13: Thermodynamics, 3.1.9 Rate equations Equilibrium constant K_p for homogeneous systems, Electrode potentials and electrochemical cells. Acids and bases

3.2 Inorganic Chemistry

Year 12: Periodicity, Group 2, the alkaline earth metals, Group 7(27), the halogens Year 13:

Properties of Period 3 elements and their oxides, Transition metals, Reactions of ions in aqueous solution

3.3 Organic Chemistry

Year 12: Introduction to organic chemistry, Alkanes, Halogenoalkanes, Alcohols, Organic analysis Year 13: Optical isomerism, Aldehydes and ketones, Carboxylic acids and derivatives, Aromatic chemistry, Amines, Polymers. Amino acids, proteins and DNA. Organic synthesis, Nuclear magnetic resonance spectroscopy, Chromatography

| | | |
|---------|---|--|
| Paper 1 | <ul style="list-style-type: none">Relevant Physical Chemistry topics (sections 3.1.1 to 3.1.4, 3.1.6 to 3.1.8 and 3.1.10 to 3.1.12)Relevant Practical SkillsInorganic chemistry (section 3.2) | Written Exam: 2 Hrs 105 marks 35% of A-level |
| Paper 2 | <ul style="list-style-type: none">Relevant Physical Chemistry topics (sections 3.1.2 to 3.1.6 and 3.1.9)Relevant Practical SkillsOrganic chemistry (section 3.3) | Written Exam: 2 Hrs 105 marks 35% of A-level |
| Paper 3 | <ul style="list-style-type: none">Any contentAny practical skills | Written Exam: 2 Hrs 90 Marks 30% A-Level |

20% of the overall assessment of A Level Chemistry will contain mathematical skills equivalent to Level 2 or above.

Students will also complete twelve required practicals for which competency in different skills will be assessed. The students will be awarded a competency mark for their practical skills (Pass or Fail) in addition to their A level grade (A* - E).

WHERE CAN
THIS COURSE
TAKE ME?

EDUCATION...

Previous students have gone into a wide range of courses including: Chemistry, Medicine, Dentistry, Nursing, Pharmacy, Chemical Engineering, Biochemistry, Biomedical Science, Environmental Science, and a range of non-Science courses.

CAREERS...

The Chemistry A level will provide you with knowledge and skills useful in various different careers. Previous students have been employed as Forensic Scientists, Bio-medical Scientists, Doctors, Dentists, Vets, Chemical Engineers, Lawyers, Teachers, and in various other medical professions.

For more information, search [AQA Chemistry](#), or email htipper@jha.keystrust.org