



AS and A-Level Chemistry (AQA)

Staff delivering:

Mrs Benson

Mr Connolly

Mr Farmer

Topics/Units studied:

- **Physical chemistry**
Atomic structure and bonding
Energetics, Kinetics and Chemical equilibria
- **Inorganic chemistry**
Periodicity
Reactions of ions in aqueous solution
- **Organic chemistry**
Homologous series and reaction mechanisms
Organic analysis
Aromatic Chemistry

Key dates & deadlines:

Year	Deadline / Date	Unit assessed
12	May/ June (PPEs)	Paper 1
12	May/June (PPEs)	Paper 2
13	May / June	Paper 1
13	May/June	Paper 2
13	May/June	Paper 3

Career Pathways:

- Analytical chemist
- Chemical engineer
- Healthcare scientist
- Forensic scientist
- Nuclear engineer
- Pharmacologist
- Physiotherapist
- Research scientist
- Science writer
- Toxicologist
- Medical profession
- Veterinary Science

Success

100% of students who studied Chemistry at A Level in 2018 obtained a place at their desired university.

Alumni (2019)

Matthew achieved a grade A and is studying dentistry at The University of Leeds

Finn achieved a grade B and is at Hull University studying Biomedical engineering

Megan achieved a grade B and is studying medicine at Hull University

Emily achieved a grade C and is Hull University studying Biomedical Science

Henry achieved a grade C and is at the University of Liverpool studying Physical Sciences

Alumni (2018)

Charlie (B) - Hull university - Biomedical engineering

Olivia (B) - HYMS (York) - Medicine

Abbie (A) - University of Liverpool - Medicine

Rory (A) - University of Manchester - Physics

Jessica (C) - University of Liverpool - Physiotherapy

Rebecca (A) - University of Leeds - Biology and Maths

Progression

Chemistry is usually required for degree courses in: biochemistry, chemistry, chemical engineering, dentistry, dietetics (studies in food and nutrition) and pharmacy.

It is often needed or recommended for: biology, medicine, geography, environmental sciences, materials science, physiotherapy, nursing, sports science, psychology, zoology and veterinary science as well as some types of engineering.

There are also a number of apprenticeships that link to chemistry including: pharmacy assistant, theatre support worker, laboratory/science technician, gas installation engineer and polymer production technician.

Trips

With topics including the production of alcohol we are hoping to organise a trip to local and national breweries and distilleries to get a better appreciation of the organic chemistry being learnt.

Links with Hull University and local industries such as Air products will also allow us to experience Chemistry and the chemical industry on a larger scale, both of which have the possibility of work experience.

