

Chemistry (AQA) 7405

Head of Chemistry: Mr Stayt

Brief synopsis:

First year: Students cover atomic structure and bonding, kinetics, energy changes, redox reactions, periodicity and groups 2 and 7. They also look at naming organic compounds, alkanes, alkenes, haloalkanes and alcohols.

Second year: Students cover kinetics and thermodynamics in more depth. They also meet equilibria and pH, transition metals, carbonyl compounds, aromatic compounds, amines and amino acids and organic structure determination.

Units covered:

The two years of the course each contain units on physical, inorganic and organic chemistry.

Assessment:

Chemistry is examined as follows:

Paper	Exam	Duration	Weighting	Taken in
Paper 1	Written exam (short and long answer questions): Inorganic chemistry Certain physical chemistry topics Relevant practical skills	2 hours	105 marks 35% of A-level	Summer 2019
Paper 2	Written exam (short and long answer questions): Organic chemistry Certain physical chemistry topics Relevant practical skills	2 hours	105 marks 35% of A-level	Summer 2019
Paper 3	Written exam: Any content Any practical skills 40 marks of questions on practical techniques and data analysis 20 marks of questions testing across the specification 30 marks of multiple choice questions	2 hours	90 marks 30% of A-level	Summer 2019

Homework: Homework is set regularly and supports the learning that has taken place. A variety of tasks will be set, such as exam questions, independent research, processing results of practical activities. It is expected that, even if no formal homework has been set, students will be reading around the subject, organising and annotating notes, etc. Students should aim to spend around 1 hour per lesson on homework and following up classwork.

Resources / websites: A range of materials are available on the AQA website, such as past papers for the previous syllabus and examiner's reports; these are particularly useful for independent exam preparation. The "chemguide" website provides an on-line textbook.

Textbook: AQA Chemistry A-level, by Ted Lister and Janet Renshaw (978-0-19-835182-5)

Characteristics of a good student:

Those students who do well in Chemistry do the following:

- Take notes and keep them organised
- Read through content covered after lessons, using their textbook and/or the chemguide website, annotating notes where appropriate
- Manage their time effectively so assignments can be completed thoroughly and not in a rush
- Complete all set questions fully, laying out their working clearly
- Go through corrections to their homework and make sure they understand them
- Attend revision classes and intervention sessions provided
- Prepare thoroughly for ALL tests
- Think during practicals – make sure they understand what it is they're trying to find out and what their results tell them
- Do past exam papers as the A-level exams approach
- Take an interest in Chemistry articles and programmes in magazines, on the television, in the news, etc.
- Regularly use the College LRC for resources and background reading

Contact us:

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