



What specification is proposed?

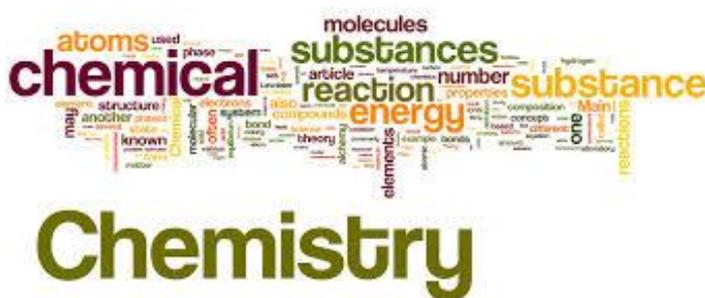
Chemistry follows the AQA specification.

Our knowledge of chemicals, not only on the bulk scale, but also on the atomic scale has revolutionised the way in which we live. Have you ever wondered why your mp3 player and mobile phone gets smaller, faster, yet have more memory? Or how the ancient Greeks chewing willow bark to relieve toothache led to the development of aspirin? Chemistry literally is everywhere; even down to the clothes and cosmetic products we wear. If you are someone who enjoys Maths and would like to transfer this skill to problem solving or are intrigued by the science you have studied so far and prepared to work hard to discover more; then chemistry is the right course for you!

What will I be covering in the course in Year 12 and Year 13?

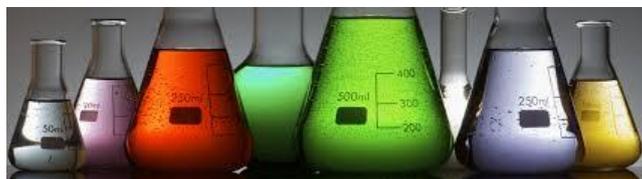
Chemistry is split into three distinct topics, which will be taught across both years:

- Organic Chemistry
- Inorganic Chemistry
- Physical Chemistry



Year 12:

- Foundation Chemistry
- Chemistry in Action



Year 13:

- Kinetics, Equilibria and Organic Chemistry
- Energetics, Redox and Inorganic Chemistry

What can I do with this subject?

Chemistry is an essential qualification for a large number of careers as well as an excellent subject to study alongside any other subject. Having a qualification in chemistry can create opportunities to enter careers in chemical engineering, medicine, dentistry, optometry, pharmacy, biochemistry, biotechnology, forensic science, veterinary science and environmental science to name but a few. You will develop team work, analytical, problem solving, communication and numeracy skills; all of which are highly valued by all employers.

How will I be assessed? All assessments will take place in the summer of Year 13

As with all sciences, chemistry is fundamentally an experimental subject. Practical skills will be developed throughout the course and assessed within your final exams. Both exams will require the use of Level 2 (Higher tier GCSE) mathematical skills.

Specific entry requirements for this course

Students must achieve a B/6 grade at GCSE chemistry or science trilogy. It is important that a B/6 is achieved in all examined units.

Students selecting A level chemistry and not A level maths, must study core maths.





Assessments

| Paper 1 |
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| What's assessed <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)• Inorganic chemistry (section 3.2)• Relevant practical skills |
| Assessed <ul style="list-style-type: none">• Written exam: 2 hours• 105 marks• 35% of A-level |
| Questions 105 marks of short and long answer questions |



| Paper 2 |
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| What's assessed <ul style="list-style-type: none">• Relevant physical chemistry topics (sections 3.1.2 to 3.1.6 and 3.1.9)• Organic chemistry (section 3.3)• Relevant practical skills |
| Assessed <ul style="list-style-type: none">• Written exam: 2 hours• 105 marks• 35% of A-level |
| Questions 105 marks of short and long answer questions |



| Paper 3 |
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| What's assessed <ul style="list-style-type: none">• Any content• Any practical skills |
| Assessed <ul style="list-style-type: none">• Written exam: 2 hours• 90 marks• 30% of A-level |
| Questions 40 marks of questions on practical techniques and data analysis 20 marks of questions testing across the specification 30 marks of multiple choice questions |

The full specification can be found online

<http://www.aqa.org.uk/subjects/science/as-and-a-level>

