

Subject	Chemistry
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## Ks4

Examination Board: AQA  
Syllabus Number: 4402

### Course Description and Organisation

The course comprises three modules C1, C2 and C3 each of which is sub-divided into topics. These include:

C1 - fundamentals of chemistry, rocks and building materials, metals and their uses, crude oil, plant oils, the earth and its atmosphere.

C2 - structure and bonding, structure and properties, qualitative chemistry, reaction rates and energy, salts and electrolysis.

C3 - the periodic table, water, energy calculations, analysis and synthesis, organic chemistry.

In addition, there is a single Centre Assessed Unit (CAU) addressing 'how science works'.

### Assessment Arrangements

Students are entered for module test papers at either foundation or higher level (3 x 60 minute exams). Grades A\*-G are available.

Coursework: 25%

Examinations: 75%

### Coursework Details and Deadlines

Students carry out several CAUs (centre-assessed units = simple practical assessment and formal written test) testing the procedural aspect of Science – 'how science works'. Deadlines will differ depending on themes, exam preparation and final award.

### Career Opportunities

Medicine, dentistry, veterinary science, pharmacy, research and development (chemicals, mining, pharmaceuticals), manufacturing and services e.g. food, paper, brewing, transport, health management, finance, law, politics etc. Whether the career is directly related or not, a qualification in chemistry is highly regarded as a sound basis for employment.

### Exam Board Link

<http://www.aqa.org.uk/subjects/science/gcse/chemistry-4402>

### Any Other Relevant Information

This course is followed by those students following triple separate science awards. Students following this course will emerge from the upper sets (i.e. 1-3). Final selection and course allocation will be made at the beginning of Year 9.