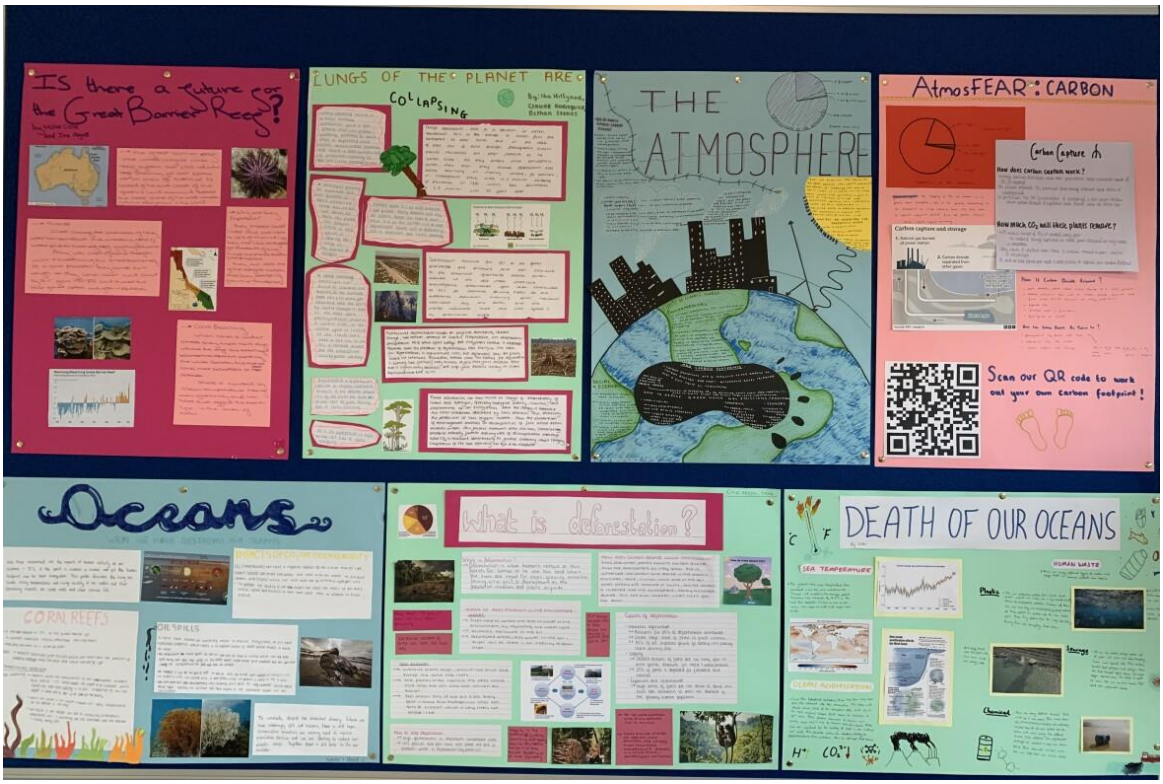
WORCESTER SIXTH FORM COLLEGE

A LEVEL CHEMISTRY



THE A LEVEL CHEMISTRY COURSE

- The course is linear which means that students are assessed at the end of the two-year course.
- All assessments are in the form of examination papers.
- The course includes practical skills assessed by teachers as part of the practical endorsement, whereby students' practical and analytical skills are assessed.
- If successful, students achieve a pass grade for their practical endorsement.
- Knowledge of the required practical experiments is assessed in the written examination.
- The assessment of mathematical skills forms an integral part of examinations. It is strongly advised that students take A level mathematics alongside chemistry.

MODULES

Exam board and specification: OCR Chemistry A. H432

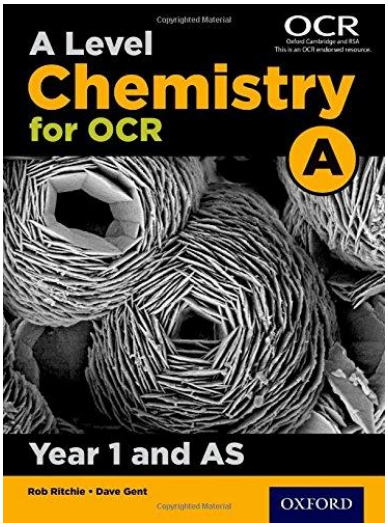
There are six modules which cover the following branches of chemistry: physical chemistry, inorganic chemistry, organic chemistry, polymers chemistry and analytical chemistry (spectroscopy).

Module 1 – Development of practical skills in chemistry
Assessed by completing at least twelve practical experiments and investigations during the two-year course.

1st Year Chemistry

Module 2 – Foundations in chemistry
Module 3 – Periodic table and energy
Module 4 – Core organic chemistry

Students will be provided with a textbook for each year which is used to consolidate lesson work.

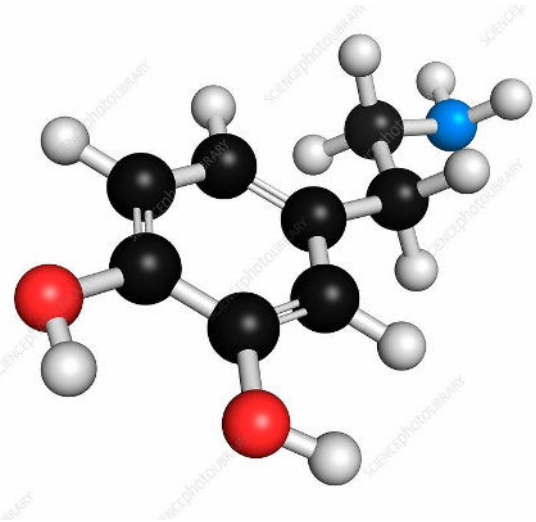


2nd Year Chemistry

Module 5 – Physical chemistry and transition elements.
Module 6 – Organic chemistry and analysis

A LEVEL ASSESSMENT

Exam board: OCR Chemistry A. H432



Students will sit three written examinations at the end of the two-year course.

Component 1 – Periodic table, elements and physical chemistry
Written examination: 2 hours 15 minutes
37% of qualification

Component 2 – Synthesis and analytical techniques
Written examination: 2 hours 15 minutes
37% of qualification

Component 3 – Unified chemistry
Written examination: 1 hours 30 minutes
27% of qualification

WHY CHOOSE CHEMISTRY?

Are you interested in how we develop new, high-technology materials, fuels and medicines for the future? Chemistry at A Level is required for a range of careers including medicine, veterinary science, food science, agriculture and chemistry courses including forensic and pharmaceutical science. It is an essential support for any higher-level study of biology and gives extended options to enter chemical engineering with physics and maths. The skills learned in Chemistry are valued for entry into many other professions such as business, law, and ICT.

What are the entry requirements for A Level Chemistry?

- Minimum of grade 6,6 in GCSE Combined Science or grade 6 in GCSE Chemistry and in GCSE Biology/Physics
- Grade 6 in Mathematics is essential due to the mathematical demand in A level chemistry.
- Minimum grade 4 in English.
- We strongly advise that A level mathematics be considered alongside chemistry as it is supports the mathematical demand in chemistry.

What if I do not meet the entry requirements for A Level Chemistry?

We offer alternative science related courses such as engineering, geology and environmental science.

OUR APPROACH TO TEACHING AND LEARNING

Building on our reputation for excellent teaching and learning:

- We place a strong emphasis on allowing students to carry out practical activities, not just to develop their practical skills but to enrich their learning experience of chemistry.
- We provide high-quality teaching materials including workbooks, handouts, worksheets, and past paper question booklets.
- All resources are available online including videos of every lesson.
- We have exceptional facilities and are a well-resourced department.
- We provide textbooks, lab coats and safety equipment.
- We run workshops to support learning and enrichment.
- We provide enrichment opportunities such as The Chemistry Challenge, The Chemistry Olympiad and The School's Analyst competition.
- We provide access to scientific literature: The Chemistry Review, The New Scientist, JSTOR website and a range of popular science books.

CONTACT US:

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