

CHEMISTRY at AS/A2 LEVEL

EXAMINATION BOARD: OCR

WHY STUDY CHEMISTRY?

An understanding of chemistry underpins the study of many of the other sciences. It links the biological and physical sciences.

Studying chemistry develops the student's ability to construct scientific arguments, evaluate and draw conclusions from evidence, express ideas clearly, handle chemicals safely and solve practical problems. There is a large degree of practical work involved, including assessed work.

Entry requirements

To embark on an A level or AS level in this subject it is desirable for students to have followed the higher tier GCSE specification as this contains the core prior knowledge for the A level course. Where a pupil has followed the foundation tier and obtained a C grade it is possible to undertake the A level course but it is important that pupil and parents discuss this with the Head of Department first.

Subject Specification - OCR Chemistry A

AS:

Module 1: Atoms, Bonds and Groups. One hour exam involving structured questions. 15% weight of final grade

Taken in January of year 12

Module 2: Chains, Energy and Resources. One hour 45 minute exam involving structured questions and some extended writing. 25% weight of final grade.

Taken in June of year 12

Module 3: Practical skills - 10%

- 3 types of task - qualitative task i.e. carrying out experiments
- quantitative task i.e. analysing data
- evaluative task.

A2:

Module 4: Rings, Polymers and Analysis. One hour exam. 15% weighting in final grade.

Taken in January of year 13

Module 5: Equilibria, Energetics and Elements. One hour 45 minute exam. 25% weighting.

Taken in June of year 13.

Module 6: Practical skills - 3 types of task again, counting for 10% of final grade.

There are 'stretch and challenge' questions in the A2 modules so an A* grade is possible. (There is no A* grade at AS).

The study of Chemistry is necessary or useful if you wish to follow a career as a:-

Doctor	Veterinary surgeon	Engineer
Pharmacist	Optician	

Further Information:

Students or parents requiring any further details are most welcome to contact Mrs. E Renwick, Head of Chemistry. e.renwick@oswestryschool.org.uk