

Chemistry



Head of Learning

Mrs S L Speirs

Departmental Staff

Dr G Brown
Mrs S Spencer
Mrs N S Nicholas
Mr N Shah

Exam Board

AQA A Level Chemistry

Why study Chemistry?

Chemistry is involved in all parts of our lives in ways that we don't always appreciate. It helps to explain and enhance the material world that we live in. Studying Chemistry allows you to delve deeper into the behaviour of organic molecules, to see how simple medicines like aspirin can be synthesised and learn more about how plastics are made. You get to study molecules that are the building blocks of life. Studying Chemistry is the subject for you if you are looking for answers, explanations and like to solve problems.

Course Outline

In the first year of the course, you will be introduced to business concepts with a focus on smaller businesses and then developing through to larger multinational companies. We will explore:

- What is a business and what are the different forms of businesses
- The importance of stakeholders
- The types of markets businesses operate in and how this affects decision making
- The role of marketing in making decisions
- How businesses improve their financial performance, their operational performance, and their human resource performance

The second year of the course will deepen your understanding of the subject areas covered in your first year, shifting the focus onto strategic decision making as well as how and why businesses need to adapt to survive.

- Developing appropriate business strategies
- How to construct and analyse a range of decision-making models and investment appraisal methods
- How businesses manage change
- The influence of the external environment
- The global marketplace

Assessment

There are three A Level papers each 2 hours 15 minutes:

Component 1: Business Opportunities and Functions

Component 2: Business Analysis and Strategy

Component 3: Business in a Changing World

Each paper has 33.3% weighting towards the A Level grade.

All questions are compulsory.

Where are they now?

Recent students of Chemistry at CRGS have gone on to study:

- Biochemistry (*Sheffield*)
- Biomedical Sciences (*Newcastle*)
- Chemistry (*Oxford, Warwick, York*)
- Dentistry (*Newcastle*)
- Engineering and Mathematics (*Sheffield Hallam*)
- Global Health and Social Medicine (*Kings College London*)
- Optometry (*Manchester, Bradford*)
- Medicine (*Birmingham, Glasgow, Leeds*)
- Natural Sciences (*Cambridge*)
- Pharmacy (*De Montfort*)
- Physics (*Durham*)
- Psychology (*York*)
- Radiotherapy/Oncology (*Cardiff, Liverpool*)
- Veterinary Sciences (*Liverpool*)

Frequently Asked Questions

Q. Is any previous knowledge required to study this subject?

You should have *either* 2 GCSEs in Combined Science at grade 6 or above (i.e. grade 6 or above in both) *or* grade 6 or above in GCSE Chemistry. All Chemistry students should also have grade 6 or above in GCSE Mathematics.

Students are required to meet the General Entry Requirement of a minimum of 4 GCSEs at grade 6 with at least GCSE grade 4 in English Language.

Q. What opportunities are there for Extended Learning?

Students can read Chem Review which is available from the Sixth Form Library. We offer the chance for students to sit the L6 Cambridge Challenge and the Chemistry Olympiad in Year 13.

Q. What facilities are there?

Chemistry is studied in two well-equipped laboratories where experimental work is an important part of the course. Students are provided with the opportunity to complete individual work and to develop their practical skills to a high standard. Students should note that they will be required to provide their own laboratory coat for all practical sessions.

Exam Board Specification

AQA GCE Advanced Chemistry (7405) www.aqa.org.uk



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Telephone
01200 423118

CRGS Sixth Form
York Street
Clitheroe
Lancashire
BB7 2DJ