CHEMISTRY AS/A LEVEL

Awarding Body

Edexcel

Who is the course for?

Chemistry is suitable if you:

- Have an interest in, and enjoy Chemistry
- Want to find out about how things work in the real world
- Enjoy applying your mind to solving problems
- Want to use Chemistry to progress onto further studies in Higher education or support other qualifications or enter Chemistry-based employment

What can it lead to?

any job opportunities specifically using Chemistry require higher qualifications, most laboratory-based jobs benefit from a Chemistry qualification, for instance; dental assistant or veterinary assistant. Many employers view success at A-level Chemistry as a clear indication of sound academic ability. Many university courses have a significant proportion of Chemistry content and an A-level in Chemistry is excellent preparation for such further study. In addition, a number of other courses either specifically require or find it desirable. These include courses such as chemical engineering, medicine, veterinary medicine, biological sciences, environmental science, pharmacy and dentistry

What are the entry requirements?

qualification builds on the knowledge, understanding and process skills that you achieved in GCSE Science, Additional Science and Chemistry. It is expected that you should have at least the equivalent of a GCSE grade C in Chemistry or Additional Science, and a GCSE grade C in Mathematics. In Chemistry you will need to be able to communicate effectively, be able to carry out research, work independently and critically think about problems. Good practical skills are also important as Chemistry is a very practical subject.

What will I Study?

Edexcel AS & A2 Chemistry provides an opportunity to study core key concepts in greater detail. Many ideas covered at GCSE are revisited but with greater emphasis in explaining rather than simply describing the behavior of molecules. While studying A-level Chemistry, you will develop practical skills that include making observations, collecting data analysing experimental results and formulating conclusions. You will also gain an appreciation of how scientific models are developed and how they evolve, the applications and implications of science, the benefits and risks that science brings and the ways in which society uses science to make decisions.

How will I be taught?

Lectures and assessed practical work will form the main part of your teaching. Self and peer-assessed mock exams will provide an opportunity to highlight areas for progress

How will I be assessed?

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What equipment or materials will I need?

Textbooks specific to the specification (Edexcel), laboratory coat, safety goggles