

## Course Content

The Edexcel course provides essential knowledge and understanding of different areas of chemistry and how they relate to each other. It covers the main areas of physical, inorganic and organic chemistry whilst supporting students to develop a wide range of mathematical and practical skills. During the first term students revisit key knowledge from GCSE and throughout the course they build upon this foundation so that they are able to apply their knowledge to a real-life context and widen their understanding to ensure a broad knowledge in the field of chemistry.

The course provides students with:

- A deep appreciation of the skills, knowledge and understanding of scientific methods
- Competence and confidence in a variety of practical, mathematical and problem-solving skills
- Interest in and enthusiasm for chemistry, including developing an interest in further study and careers associated with the subject
- An understanding of how society makes decisions about scientific issues and how the sciences contribute to the success of the economy and society.

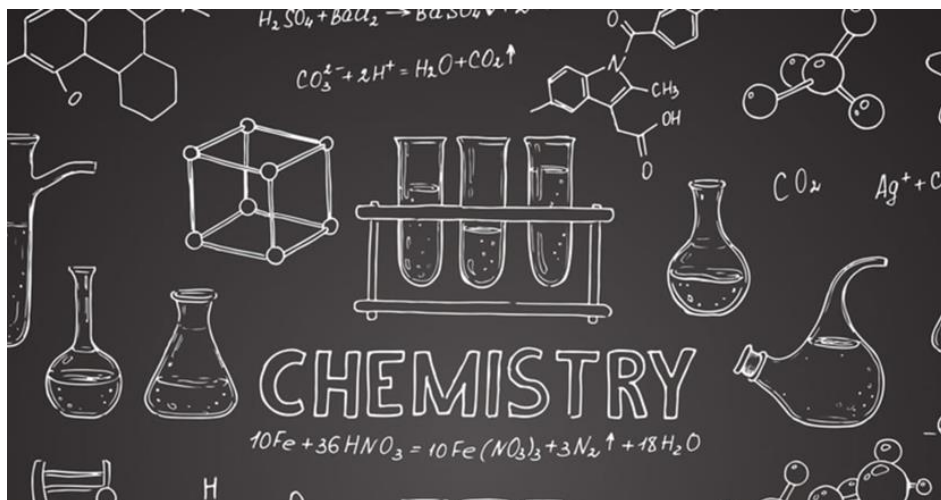
Students are encouraged and supported to work as scientists, with opportunities to undertake research projects, write reports and essays, and deliver presentations to their peers and teachers. Students are able to use practical work effectively, such as using titration to study the rate of chemical reactions or using their understanding of pharmaceutical chemistry to synthesise aspirin.

## Further Studies and Career Opportunities

Medicine, Dentistry, Veterinary Science, Forensic Science, Biochemistry and other Biological Sciences, Pharmacy, Environmental Sciences, Agricultural Sciences, Forestry, Horticulture, Public Health, Metallurgy, Home Economics, Medical and Scientific Sales, Engineering and Geology. Admission to most scientific degrees requires an A-level in Chemistry.

## Subject Entry Requirements

Grade 6 Chemistry, Grade 5 Maths



### Subject Enhancement

- A wide range of practical activities
- University Trips
- Engagement with local bioscience industry

### How is this assessed? Exam Board - Edexcel

Exams	✓
Coursework	
Other	✓