

# Chemistry



## Introduction

This course is a linear two year course following the new AQA specification (7405). Last year 53% of our Chemistry students achieved A\*-B at the end of the course, (similar centres achieved on average 48% by comparison). We pride ourselves in achieving the best possible results and are looking to better this again in the coming summer examinations.

## Who is this course for?

This course is designed for students who are hardworking and committed to understanding the underpinning science in many different aspects of the real world. A fantastic example of this is the study of medicinal molecules and how they are synthesised from their core components in industry, culminating in the students producing their own samples of aspirin and paracetamol. This course is a necessity for any student wishing to study one of the clinical sciences (or any other science based course) at University.

## Course Content

There are 6 modules covered over the 2 year course:

### Year 1:

- Foundation Chemistry
- Introduction to Organic Chemistry
- Basic Inorganic Chemistry

### Year 2:

- Advanced Physical Chemistry
- Further Organic Synthesis and Analysis
- Reactions of Inorganic Material

## Assessment

The course is assessed through three examinations at the end of the course. The exams are based around three core concepts: Physical Chemistry, Organic Chemistry and Inorganic Chemistry and they have a combination of structured application and understanding questions alongside some multiple choice questions.

The practical skills are assessed separately but questions associated with the practical skills are included in all three examinations.

## Progression

Studying Chemistry at A Level is a required subject for many degree courses, such as Medicine, Veterinary Medicine, Dentistry, Biochemistry, and the Natural Sciences, and is also respected by a vast array of employers globally in non-related fields such as Law and Accountancy.