



Chemistry

Overview

An understanding of Chemistry and chemical processes underpins all that we do. It allows us to explain everything from the composition of stars to the processes of life, touching on a myriad of everyday items such as your mobile phone battery, preventing corrosion in your car, and making the next great breakthrough in drug discovery. We currently follow the OCR A course which follows on equally well from both Combined Science or Separate Science GCSE courses.

Students will follow the OCR Chemistry A level course (code H432)

This course involves three exam papers:

- Fundamentals of Chemistry
- Scientific Literacy in Chemistry
- Practical Skills in Chemistry

There is a number of required practicals that you must undertake through the course. You are required to keep a lab book of results, conclusions and analysis. There will be question on the final exams which will be set around the practicals recorded in this lab book. Students will receive a certificate upon successful completion of their lab book.

Expectations

In lessons, students are required to carry out a number of practical tasks both in groups and independently. Students will need to reflect on their own work and evaluate others, being prepared to articulate results and conclusions. Prior reading is mandatory before each lesson and extended reading and annotations of notes are expected. Students are required to regularly assess their learning against the specification. We expect between 6 and 12 hours work per week outside the lesson in order to be an excellent Chemist.

Extra-Curricular Activities/Independent Learning Opportunities

Further interest in Chemistry is generated by extracurricular events, such as participation in the Chemistry Olympiad and visits to Chemistry Lectures as the opportunity arises.

Entry Requirement: In addition to the entry requirements mentioned in the Sixth Form Prospectus, you will need to attain a grade 6 or higher at GCSE Chemistry, or a grade 6,6 or higher in GCSE Combined Science to take this course.