

## EXAMINATIONS

**Paper 1:** 105 marks of short and long answer questions, predominantly physical and inorganic chemistry. 35% of the A-level.

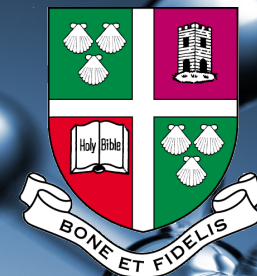
**Paper 2:** 105 marks of short and long answer questions, predominantly organic and some physical chemistry. 35% of the A-level.

**Paper 3:** 60 marks of short and long answer questions on practical experiments and data analysis and 30 marks of multiple choice across all topic areas. 30% of the A-level.

## OUR STUDENTS

Many of our students go on to study in medical or science related fields at Russell Group universities. The notice board outside Chemistry lists our recent leavers, with their chosen courses and university destinations. Every year we are extremely proud of our chemists achievements and do our utmost to support them in their careers beyond the Sixth Form.

Please feel free to ask Mr Shah or Miss England if you have any further questions.



# CHEMISTRY

# A-LEVEL CHEMISTRY

A-level Chemistry is an extremely rewarding subject, well regarded by top universities for a variety of different courses.

Choosing A-level Chemistry can lead to many careers in healthcare such as medicine, pharmacy and dentistry. It is also extremely useful for careers in the biological sciences, physics, mathematics, pharmacology and analytical chemistry.

Chemistry is also taken by many law applicants as it shows the ability to consider complex concepts and logical thinking.

Good Science and Maths GCSEs (Grade 7 or above) are helpful for making the transition from GCSE to A-level, as well as ensuring the best chance to achieve top grades.

## THE COURSE

During the 2 years of A-level study, students will be taught by chemistry specialists at WGS; Miss England and Mr Shah.

There is no coursework or externally assessed material during the course, it is all based on the exams at the end of the second year.

Periodic Table of the Elements

The image shows a standard periodic table with elements color-coded by groups. The groups are labeled at the bottom: Alkali Metal, Alkaline Earth, Transition Metal, Post-Transition Metal, Semimetal, Nonmetal, Halogen, Noble Gas, Lanthanide, and Actinide. The Lanthanide and Actinide series are shown as separate rows below the main table.

# OUR RESULTS

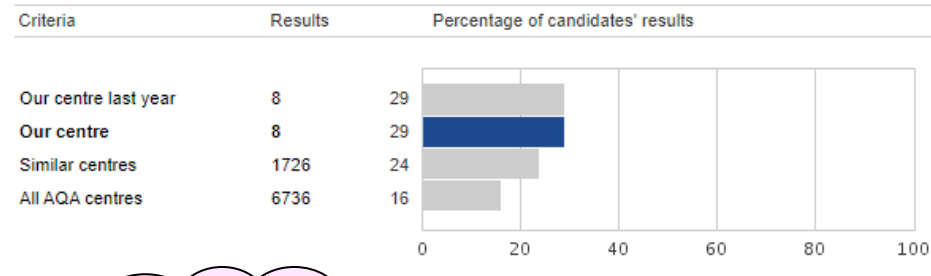
The Chemistry Department is one of the strongest at Woodhouse Grove, achieving very high A\*- A grades and full passes every year, with the majority of students achieve a D grade or better.

Our excellent results are largely due to the experience and dedication of the department's teachers.

Grade/Year	2023	2022	2021	2020
<b>A*-B</b>	52%	67%	89%	77%
<b>A*-D</b>	89%	100%	100%	100%

The Chemistry Department have achieved a greater proportion of A\*-A grades than similar independent schools, and schools nationally, since the start of the new linear A-level (2017).

### Grades A\*-A



Chemistry is great! It's rewarding and interesting; and necessary for me to study medicine.

It's hard work, but everyone in the department is friendly and supportive; they always offer extra help when you need it.