

# Chemistry

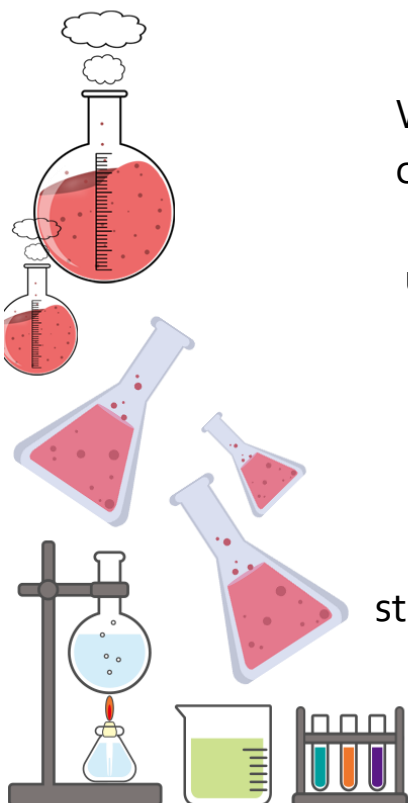
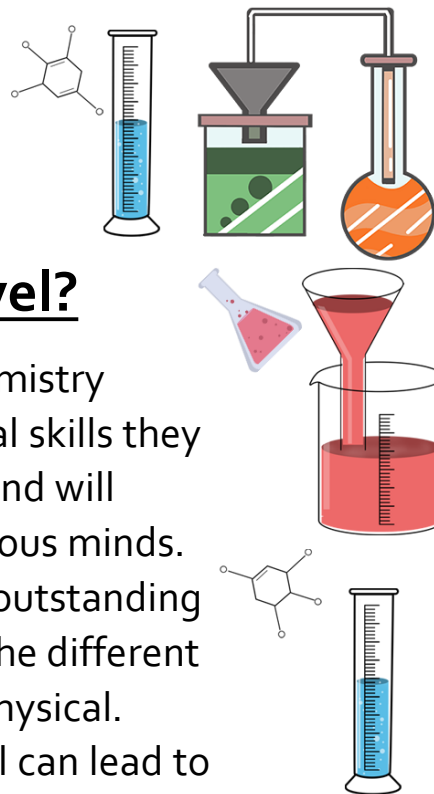
## Why study Chemistry at A – Level?

From problem-solving to practical work, Chemistry offers students to build upon the foundational skills they obtained at GCSE. Chemistry is challenging and will certainly pique the interest of those with curious minds. We hope that you will leave us not only with outstanding qualifications, but a greater appreciation of the different areas of Chemistry: Organic, Inorganic and Physical. Furthermore, studying Chemistry at A – Level can lead to a variety of career options such as:

- Medicine / Dentistry / Veterinary Science
- Pharmacy
- Finance
- Engineering
- Becoming a Chemist!

## Why St. Dominic's?

We offer an environment that is both friendly and challenging. There are workshops run by teachers and “leaders of learning” that consolidates understanding along with stretches those aiming for the A/A\* grades. There is a wide variety of resources on offer to students. Along with the mentioned workshops, many practice and exam questions, videos and notes can be found on Microsoft SharePoint which can be accessed by students. We also enter students who are excellent problem solvers and require a challenge into the Chemistry Olympiad each year.



# Chemistry

## Exam Results

2022: 36% A\*/A | 61% A\*-B | 99.5% A\*-E

2021: 37% A\*/A | 69% A\*-B | 99% A\*-E

2020: 29% A\*/A | 62% A\*-B | 99% A\*-E



## Entry requirements

- Grade 7 in GCSE Chemistry or 7 6 in GCSE Combined Science. A grade 6 in GCSE Maths is also required
- We also allow students to study Chemistry who achieve a 6 in GCSE Chemistry or 6 6 in GCSE Combined Science if they are awarded a grade 7 in GCSE Maths

## Course Content

### Physical

- Amount of substance
- Equilibria
- Redox Chemistry
- Energetics and kinetics
- Much more!

### Inorganic

- Periodicity
- Group II and Group VII
- Period 3 elements and oxides
- Transition metals
- Aqueous ions

### Organic

- Introduction to Organic Chemistry
- Alkanes, alkenes, alcohols, aldehydes and ketones
- Aromatic Chemistry
- NMR and more!

