



# CHEMISTRY

**Qualification:** A-Level

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## Overview of subject:

Chemistry is designed to be stimulating and challenging. It helps us to understand the world in which we live and underpins a wide range of science-based degree courses and careers. Success with A level chemistry will prepare you for a future in chemistry, pharmacy, pharmacology, chemical engineering, biochemistry, biomedical sciences, medicine and dentistry.

## Topics studied in the syllabus include:

- Chemistry is split into 3 main sections and examples of each of these sections are given
- Organic chemistry: This includes all carbon based chemistry including oils and chemical reactions and pathways of carbon based chemicals.
- Physical Chemistry: This involves all physical aspects of chemistry and most of the mathematical side of Chemistry such as rates of reaction and Kinetic theory.
- Inorganic Chemistry: This involves all the theories regarding structures of atoms and bonding between atoms and ions.

## The course might be of interest to:

Those who want to understand more about the world in which we live and find answers to the simple questions we might have about every day processes and materials.

## Potential future pathways:

If you are considering studying Chemistry or medicine at university then this course would be right for you. However, Chemistry is one of the Russell group universities 'facilitating' subjects, meaning choosing it allows a wide range of options for degree study.