

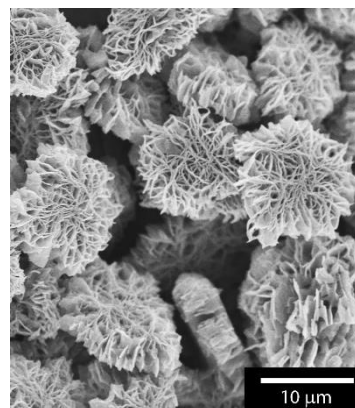
# A – Level Chemistry

## A-Level Chemistry Overview:

Chemistry is an extremely challenging subject but becomes even more rewarding when you begin to succeed. Learning about how the world around you is utterly dependent upon the behaviour of tiny particles that make up everything will not only increase your knowledge but your love of learning. Whilst developing your understanding, you will also gain competence and confidence in a variety of practical, mathematical and problem solving skills which together provide the perfect foundations for a vast range of future study opportunities and careers.

### Topics Studied:

- Atomic Structure
- Amount of a Substance
- Organic Chemistry
- Reaction Mechanisms
- Kinetics
- Energetics
- Acids & Bases



“There is no need to argue if an experiment can be made.” - Henri Etienne Sainte-Claire Deville

## Assessment:

- Paper 1 – Inorganic & Physical Chemistry – 100 marks – 2hrs 15 mins
- Paper 2 – Organic Chemistry – 100 marks – 2hrs 15 mins
- Paper 3 – Unified Chemistry – 70 marks – 1hr 30 mins
- Practical Endorsement: 12 Assessed practicals. The skills you develop are tested in exams

### Entry Requirements:

Grade 66 in Combined Science or Grade 6 in Chemistry (Separate Science) and Grade 6 in Maths

### Specification

[OCR A-level Chemistry A](#)



## Progression and Career Opportunities:

Chemistry is a facilitating subject meaning that it is highly regarded by the top universities. Students who take A-level chemistry go on to university and study towards becoming doctors, nurses, academic researchers, chemical engineers, analytical chemists, biochemists, biotechnologists, biochemists, pharmacists, forensic scientists, research scientists, toxicologists and more.

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