



## Chemistry



### Overview

AS Chemistry: Atomic Structure, Amount of a Substance, Intro to Organic Chemistry, Kinetics, Energetics

A2 Chemistry (all of AS content plus the following): Organic Chemistry, Reaction Mechanisms, Kinetics, Energetics, Acids & Bases

### Requirements

Grade 66 in combined science, or 666 in Triple Science

- Grade 6 in Maths
- (Grade 7s are preferable)

### Assessment

AS

- Breadth in Chemistry (1hr 30 mins)
- Depth in Chemistry (1hr 30 mins)

A2

- Organic Chemistry (2hrs 15 mins)
- Inorganic & Physical Chemistry (2hrs 15 mins)
- Unified Chemistry (1hr 30 mins)

Practical Endorsement - assessed through 12 practicals over 2 years. This does not contribute towards your grade, but a pass is required by Universities for science related courses.

### Exam Board



### Progression and Career Opportunities

Academic researcher · Analytical chemist · Biotechnologist · Chemical engineer · Clinical scientist, biochemistry · Forensic scientist · Nanotechnologist · Pharmacologist · Research scientist (physical sciences) · Scientific laboratory technician · Toxicologist

Chemistry is a facilitating subject- which means it is highly regarded by the top Universities.

***“Chemistry is extremely challenging but even more rewarding when you begin to succeed. I love learning about how the world around us works and is utterly dependent upon the behaviour of the tiny particles that make up everything.”***