

CHEMISTRY

Subject Leader:
Mrs. J. Jeal

Exam Board:
Salters

Syllabus Synopsis

In contrast to the traditional 'topic-based approach, Chemistry (Salters) is 'context-led'.

- Chemical concepts are introduced within a relevant context, the course being written as a series of units based on contemporary issues in Chemistry.
- Students study the chemistry in a spiral way so that chemical ideas, introduced in an early topic, are reinforced later. The 'drip-feed' approach to teaching and learning chemical principles allows candidates to revisit a particular topic several times during the course, each time taking their knowledge and understanding a step further.
- It is the only A level Chemistry specification based on a complete course package, with integrated course books and activity sheets designed at the same time as the specification.
- The course we choose to follow is different from other A level specifications because:
 - it starts from applications and develops the theory as required. Thus, learning of this theory has chance to mature and is then reinforced in another context.
 - all external units in the examination ask questions in context.
 - there is an Advance Notice article included in an AS unit which can be studied, researched and discussed by students well in advance of the unit test.
 - A2 students undertake a four-week Chemical Investigation of their own choice.

Internal Assessment

One unit at AS level—20%
A level—15%

Written Exam

Two units at AS level—15% each
Two units at A level—15% and 20% respectively

AS Level

Mandatory/ Optional?	Unit Title and description	Assessment method and weighting
Mandatory	F331: Chemistry for Life <ul style="list-style-type: none">- The Elements of Life- Developing Fuels	1 hour 15 minutes written exam AS Level – 30% A Level – 15%
Mandatory	F332: Chemistry of Natural Resources <ul style="list-style-type: none">- Elements from the Sea- The Atmosphere- The Polymer Evolution	1 hour 45 minutes written exam AS Level – 50% A Level – 25%
Mandatory	F333: Chemistry in Practice <ul style="list-style-type: none">- AS internal assessment	Internal Assessment AS Level – 20% A Level – 10%

AS Level

Mandatory/ Optional?	Unit Title and description	Assessment method and weighting
Mandatory	F334: Chemistry in Materials - What's in a Medicine? - The Materials Revolution - The Thread of Life	1 hour 30 minutes written exam A Level – 215%
Mandatory	F335: Chemistry by Design - Agriculture and Industry - Colour by Design - The Oceans - Medicines by Design	2 hour written exam A Level – 20%
Mandatory	F336: Chemistry Individual Investigation - A2 internal assessment	Internal Assessment A Level – 215%