

# CHEMISTRY (Salters)

## OCR AS level specification H035

*"To think is to practice brain chemistry."  
Deepak Chopra*

Unit	Unit Title	Duration	Mode of Assessment	Weighting at AS
F331	Chemistry for Life	Autumn Term	Written Examination	30%
F332	Chemistry of Natural Resources	Spring and Summer Terms	Written Examination	50%
F333	Chemistry in	Ongoing	Minimum of 4 skills assessments	20%

### Style of Work:

Practical work, problem solving and analysis of data are all major elements of the work in this subject.

The Salters AS Chemistry course is a context based course which focuses on the applications of Chemistry such as developing new fuels for the future and designing better medicines. This helps students to appreciate the relevance of the chemical theory covered in the lessons. Practical work and interactive whiteboard software are used regularly to support understanding. Active learning is encouraged and homework is set in almost every lesson. You will be expected to work hard.

### Why Study AS Chemistry?

If you enjoyed Science at GCSE then you will enjoy AS Chemistry even more. There is a greater variety of practical work and you will use high quality equipment on a regular basis. Some of the topics covered will be familiar from GCSE, but you will study them in much greater depth so that you really understand chemical concepts. Many university courses including Medicine, Veterinary, Environmental Science and Forensic Science will require you to have Chemistry as one of your 'A' level subjects.

### Course Prerequisites:

Grade B in Chemistry or Grade A in both Science and Additional Science is recommended. The course includes a significant element of calculation work so students with a good grounding in Mathematics will have an advantage. Grade B in GCSE Mathematics is recommended but you don't have to be brilliant at maths to take AS Chemistry. You will often have to read from textbooks and scientific papers. Both examined modules include some extended writing so students with very weak English are likely to struggle, however, there is no essay writing in this course.



# CHEMISTRY (Salters)

## OCR A2 level specification H435

*"To think is to practice brain chemistry."*  
Deepak Chopra

### Why Study AS Chemistry?

If you enjoyed Science at GCSE then you will enjoy AS Chemistry even more. There is a greater variety of practical work and you will use high quality equipment on a regular basis. Some of the topics covered will be familiar from GCSE, but you will study them in much greater depth so that you really understand chemical concepts. Many university courses including Medicine, Veterinary, Environmental Science and Forensic Science will require you to have Chemistry as one of your 'A' level subjects.

### Course Prerequisites:

Grade B in Chemistry or Grade A in both Science and Additional Science is recommended. The course includes a significant element of calculation work so students with a good grounding in Mathematics will have an advantage. Grade B in GCSE Mathematics is recommended but you don't have to be brilliant at maths to take AS Chemistry. You will often have to read from textbooks and scientific papers. Both examined modules include some extended writing so students with very weak English are likely to struggle, however, there is no essay writing in this course.

### What is A2 Chemistry like?

The highlight of the A2 course is the individual investigation. You spend about a term on a practical based project of your choice and this is worth 30% of the A2 marks (15% of the overall 'A' level). There are two more examination modules and students who have studied AS Biology will have some advantage in certain topics. Here is a summary of the A2 scheme of assessment:

Unit	Unit Title	Duration	Mode of Assessment	Weighting at AS
F334	Chemistry for Materials	Autumn Term	Examination taken in June. Structured questions including some extended writing.	30%
F332	Chemistry of Design	Spring and Summer Terms	Examination taken in June. Structured questions including some extended writing. One section based on Advance Notice material.	50%
F333	Chemistry Individual Investigation	November to March	Single extended investigation on a project of your choice.	20%