

Curriculum Information

Chemistry – A Level



Subject rationale – Why study the subject? What benefits does it bring?

KS5 curriculum overview: Chemistry

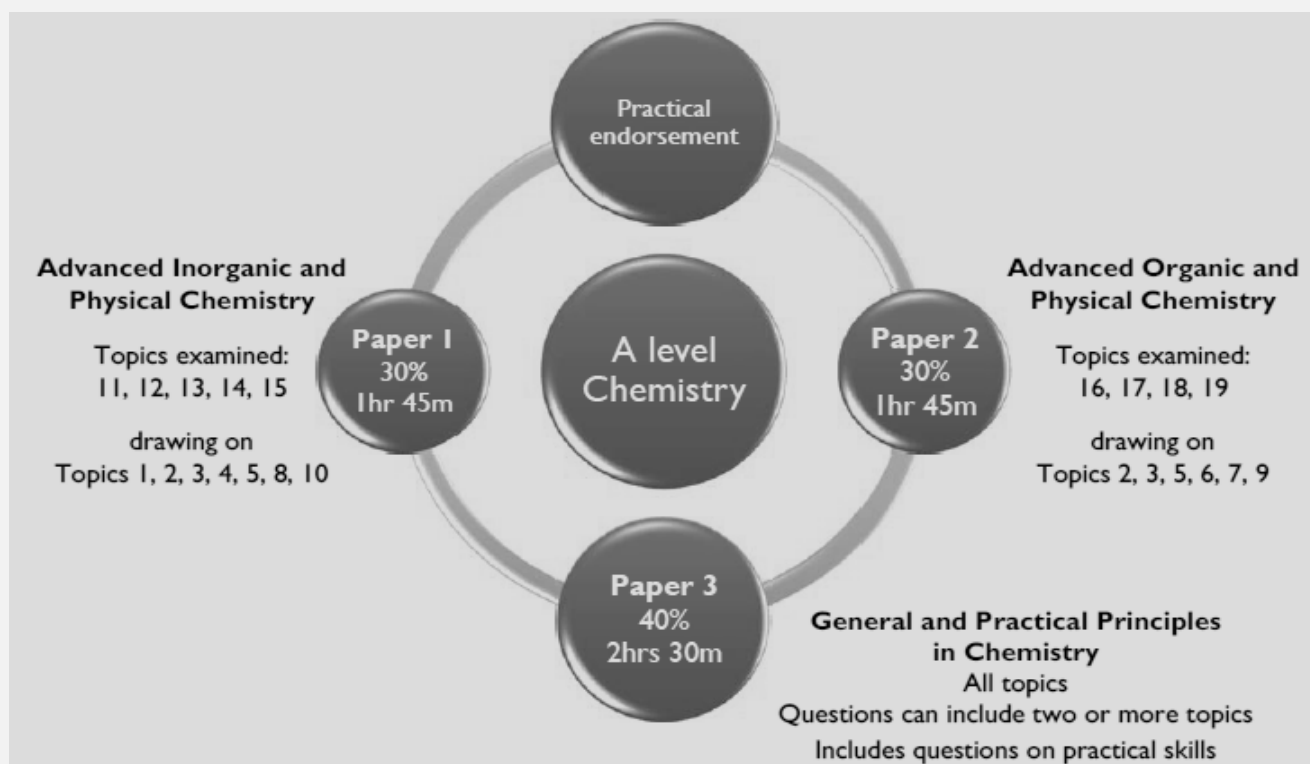
Chemistry is the branch of science that is concerned with materials of every description, often overlapping both Biology and Physics. Chemists unravel chemical reactions that are responsible for life and they investigate new materials with potentially useful properties.

Throughout the course, information is collected by experimentation and underlying principles are explored and developed. If you are resourceful, not afraid of hard work and application to study and enjoy learning by doing, then Chemistry could be for you!

Assessment Overview

Exam board: Edexcel.

This qualification is examined at the end of Year 13 in the following way:



As well as the written papers, pupils will be assessed throughout Years 12 and 13 on their practical skills. Over the two years they will complete 16 core practical activities in lessons. To achieve a pass, students must demonstrate that they are competent in all the practical skills published by the Department for Education.

The Science Practical Endorsement outcomes will be reported separately on students' certificates alongside the overall grade for the qualification. It is important to note that the practical endorsement does not contribute to the overall A Level grade achieved, but it informs Universities or future employers that the student has practical skills of A Level standard.

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Revision Guidance

Resource	Link	Useful for...	Requirements
Edexcel text book	Dynamic Learning online	Digital version of textbook with extensive exam practice	Log on information given at start of course
Seneca	senecalearning.com	Independent revision & consolidation	Class code created by the teacher
Maths and physics tutor	Mathsandphysicstutor.com	Past paper exam questions sorted by topic	None
Edexcel revision guides	Students can purchase independently (see below)*	Concise revision guides, particularly useful for practical element of course	Optional purchase by students.
Chemsheets	Chemsheets.co.uk	Topic specific revision guides and questions	Optional subscription by pupils.

Copies of the A Level specification and sample papers can be found using this link: [Chemistry Specifications](#)



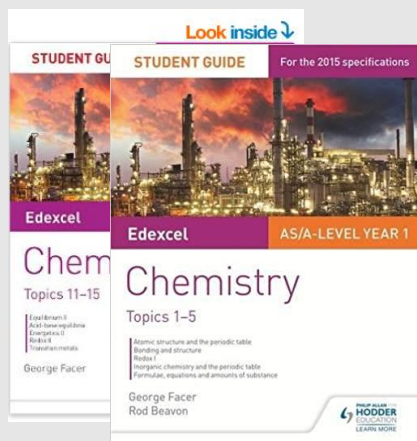
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Revision Guidance

These books comprise of 5 Student guides, covering the whole course, including a book all about the core practicals.

ISBN numbers of the books are:



978 1 4718 4333 4 Topics 1-5

9781 4718 4354 9 Topics 6-10

9781 4718 5841 3 Topics 11-14

9781 4718 5844 4 Topics 16-19

9781 4718 8567 9 AS/A Level Practical chemistry

[Amazon link for the above books; click here](#)



Career opportunities

Studying chemistry opens doors to a range of sectors and opportunities, meaning your future career is not restricted to the laboratory.

Chemistry is an essential requirement for degree courses in Medicine and Dentistry and is very favourably looked upon in many other medical-based degrees. It also goes well with many other A level courses such as Psychology.

Other examples of careers using chemistry include: chemical engineer, analytical chemist, cosmetic chemist, forensic scientist and pharmaceutical chemist. Studying chemistry is also great training for a career in lots of other areas too, such as marketing, finance, law, journalism, medicine and much more!

Attachments/links/ further information

www.rsc.org – The Royal Society of Chemistry contains lots of useful information on careers, as well as showing how our world is improved and enriched by chemistry!

