



**For a future
without limits**
Ernest Bevin Sixth Form

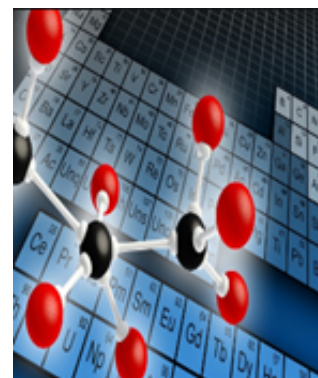
A Level - Chemistry

'Imagination is more important than knowledge' – Albert Einstein'

What is Chemistry?

Chemistry is the study of how things work on a molecular level. Chemistry underpins large parts of our life; from how and why certain chemicals should and should not mix to designing medicines to cure diseases and improve our quality of life.

Within the breadth of Chemistry A-level students will learn about organic, inorganic, analytical and physical chemistry, whilst developing a range of transferable skills in practical techniques, conceptual problem solving and mathematical analysis.



What will you study?

Paper 1: Periodic table, Equilibria and Elements

Paper 2: Organic Synthesis and Analysis

Paper 3: Unified Chemistry

Assessment

The course is assessed through two 125 minute exam papers, and one 105 minute exam paper in Year 13. All with a mixture of multiple-choice, short and extended questions.

Assessment Objective

AO1	Demonstrate knowledge and understanding of scientific ideas, processes, techniques and procedures.
AO2	Apply knowledge and understanding of scientific ideas, processes, techniques and procedures: * in a theoretical context * in a practical context * when handling qualitative data * when handling quantitative data
AO3	Analyse, interpret and evaluate scientific information, ideas and evidence, including in relation to issues, to: * make judgements and reach conclusions * develop and refine practical design and procedures .

Getting ready to start your A Level Chemistry course

Task1: Log in to your Kerboodle account and access the A level Sciences for OCR section. Go to the resources area and select A level Chemistry A for OCR and the sub-tab of GCSE to A-level transition from the left hand menu. Download the [student support sheet](#) to read and work through.

Task2: Explore interesting areas of Physics by watching one or more of the short Ted Talks. [Chemistry TED talks](#). Write a summary of the talk in less than 250 words.

Task3: Review your GCSE Chemistry revision guide. Look over module carbon chemistry and calculations in chemistry in particular. These modules are by far the biggest underpinning key principles for success in A-level Chemistry. If you don't know moles and stoichiometry, you don't know anything...

Task4: Make sure you know how to re-arrange equations without using a formula triangle. A large proportion of assessment in Chemistry requires you to manipulate multiple equations simultaneously. Use MaChemGuy chemistry videos as a starting point.

EXTENSION TASK: You may wish to find out more about the course we will be following. Buy OCR Chemistry A, By Sam Holyman This is an excellent book and is essential to support your studies. Additionally CGP offer an [A-Level bridging revision book](#) which is also particularly useful.

