



HOW TO PREPARE FOR A-LEVEL CHEMISTRY

Thinking of doing A level Chemistry?

This document contains links to resources that prepare you to start A-level Chemistry in September. It is aimed to be used after you complete your GCSE throughout the remainder of the Summer term and over the Summer Holidays to ensure you are ready to start your course.

Maths for Chemistry

Mathematical skills are assessed in A-Level Chemistry. A minimum of 10% of marks in written examinations are given for mathematical skills. Some students who choose A-Level Chemistry struggle with numeracy. Use the link below to access OCR Maths for Chemistry resources.

<https://www.ocr.org.uk/images/295468-chemistry-mathematical-skills-handbook.pdf>

Preparation for A-level Chemistry

The key to success in this subject is a good foundation in your knowledge and understanding. Many of the topics and concepts that we learn rely on your understanding the basics in chemistry and building on prior knowledge. Follow the links below and see if you can apply the ideas to your own examples. The videos cover topics that will be done in the first module - Foundation Chemistry.

1. [Allery Chemistry - Atomic Structure and isotopes](#)
 - Make notes on the structure of the atom and the subatomic particles
2. [Allery Chemistry - Structure and Bonding](#)
 - Draw and label diagrams to show the different types of bonding that can exist
3. [Allery Chemistry - REDOX reactions](#)
 - Write examples of redox reactions
 - How can you decide if an element has been oxidised or reduced
 - Write half equations and combine them together to make ionic equations
4. [Allery Chemistry - Amounts in Chemistry](#)
 - Make a note of the key equations and definitions
 - Follow example calculations and write a method of for each step of the calculation
 - Have a go at the calculations on your own



Transition work

[Oxford - Transition work](#)

The link above will take you to a resource that covers the basic skills that you will need. Follow the examples and complete the practice questions. The answers are provided for you to self-check your work.

[QEHS - Transition work](#)

The link above is another good resource that provides links to work and practice questions with answers.

Useful websites for Chemistry

As well as the YouTube videos above the following websites are very useful for this subject. Follow the links and use the resources to find out about the following topics.

- Atomic Structure
- Mass Spectrometry
- Structure and Bonding
- REDOX reactions
- Periodicity
 - Group 2
 - Group 7

www.chemguide.co.uk/
www.knockhardy.org.uk/sci.htm

Seneca Learning

You can also use your Seneca account and join the OCR Chemistry A-level course. If you do not have Seneca then you can join for free with any email address.

www.senecalearning.com/: Course is: Chemistry: OCR A A-Level

Complete any tasks in preparation for the course. Complete them in order, starting with the first assignments.

If you have any questions, contact the Head of Chemistry via email at

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