Welcome to

A Level Chemistry - Transition Pack

Get ready for A Level!

This guide will give you ideas on how to prepare for your A Level Chemistry course

This pack contains a programme of activities and resources to prepare you to start your A Level in 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 in September.

Activity 1

We are keen that you develop a passion for Chemistry and to show us what interests you! Complete ONE of the following tasks below. There are various suggestions at the end of this guide but do feel free to choose your own!

1. Choose something to **read** – this could be a book, a magazine/journal/newspaper article relating to chemistry. Write an interesting summary of what you have found out to be displayed.
2. Choose something to **watch** – this could be a documentary or movie relating to chemistry. Write an interesting summary of what you have found out to be displayed.
3. Choose somewhere to **visit** – write an interesting summary of where you have been and what you have found out to be displayed.

Activity 2

We know that lots of you found Quantitative Chemistry a challenge at GCSE, but you're not yet finished with equations!

Complete the booklet '*Chemistry Formula Practice*' and self-assess using the mark scheme provided. Focus on setting out your calculations in a clear and straightforward way – this is such an important skill for A Level and beyond.

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Activity 3

Prepare for a Transition Test in late September/early October (*date to be confirmed*) on GCSE topics that are important foundations for your A Level Chemistry course.

In particular, make sure that you feel your understanding is secure in the following areas:

- Structure of the atom
- Ions and ionic bonding
- Covalent bonding
- Writing balanced symbol equations
- Energy profile diagrams
- Collision theory (rates of reaction)
- Structure and naming of alkanes and alkenes