

## CHEMISTRY

# Pre-entry Preparation, Requirements and Recommendations

Welcome to A-Level Chemistry at Comberton Sixth Form.

### Preparation

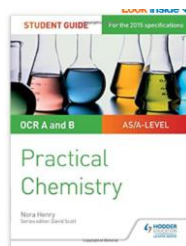
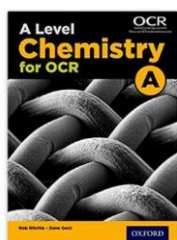
For your background preparation we ask you to do the following task before the start of the course:

1. **Complete the transition pack.** Most of the questions have answers at the back – complete the questions and then self-mark. The last 4 pages do not have answers. When you start with us in September you will be asked to bring in the completed transition pack we will look at what you have done and mark the last 4 pages for you.
2. If you have more time, re-read the Chemistry sections of your revision guide focusing on topics such as Quantitative chemistry, Organic chemistry and bonding. These modules provide direct preparation for the A-Level Chemistry course.
3. If you have studied GCSE Trilogy Science then reading through the Chemistry separate GCSE content is essential preparation as the Chemistry GCSE extra content provides the most direct preparation for the A-Level Chemistry course. Areas to look at are the quantitative chemistry and ensure you understand the calculations sections as well as organic chemistry where extra material taught will be assumed knowledge at A level. You may wish to purchase a GCSE Chemistry revision guide for example the CGP GCSE Chemistry revision guide (ISBN 978-1847626240) to help you.

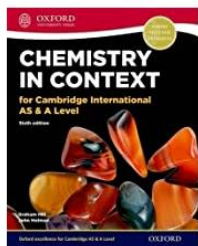
### Recommendations

This year it is recommended that you have a device in school that can use the school internet. If you are purchasing a new device, as chemistry involves a lot of drawing it may be worth getting a device that has a touch sensitive screen so can be used with a stylus, such as an iPad and apple pencil or Logitech crayon. If you already have a laptop which is not touch screen, we recommend purchasing a graphics tablet e.g. XPen (which can be purchased for around £30). We will be using MS teams and OneNote to set class and homework tasks.

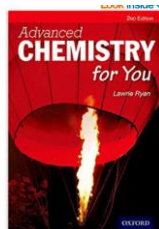
The course that you will be studying is “OCR Chemistry A H432”. We recommend that you purchase the course book for the New OCR A-Level specification (ISBN 978-0198351979) and the Practical chemistry student guide for the course “Practical Chemistry” (ISBN 978-1471885648)



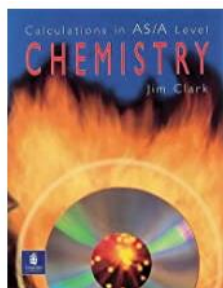
It is also good to have an additional textbook which covers the full A level content in general to get an idea of the links between AS and A-Level chemistry beyond just OCR specification, the one we recommend is “Chemistry in Context by Graham Hill” (ISBN 978-1-4085-1496-2) or “Advanced Chemistry for you” (ISBN 978-1408527368)



or



It is also useful to have a book to help with the mathematics skills, we recommend “Calculations in AS/ A level Chemistry by Jim Clark” (ISBN 978-0582411272). This book is vital if you are not studying A level maths or find the mathematics of chemistry more challenging.



You will also need the following equipment: Folders, lined writing paper, graph paper, pens, HB pencil for graph drawing, ruler, felt tips or highlighter pens, a flexi-curve for graph drawing, a scientific calculator (this is also very useful as well for the Biology, Physics and Maths courses).

You will also need **a lab coat and safety goggles** for all practical work. The lab coat must have poppers not buttons for example. These can be purchased from places like Amazon.



If you have any questions about the Chemistry course, please contact Dr Sally Harding (Head of Chemistry) [sharding@combertonvc.org](mailto:sharding@combertonvc.org)