Subject: Chemistry Pre-A-level

Why Chemistry?

Career wise the obvious examples include: Industrial and Research Chemists, Clinical Chemist, Teaching, Pathologist, Biochemist, Forensic Scientist, Molecular Chemist, Pharmaceuticals and Food Technology. It is also required for Medical: (Doctor, Nurse, Dentist, Optician, Midwife) and Veterinary: (Vet, vet nurse, Agriculture, Horticulture.)

but also… encouraged for graduate professions such as Law or Accountancy and many others requiring the ability to interpret data, analyse, use language and the application of logic.

Or, you may just be interested and want to retain a science as your fourth A-level.

Know It (Knowledge)	Use It (Application)	Stretch It (Development)
If from a trilogy background review the topics not covered by looking at the AQA chemistry specification. Follow **Link 1** (below) If from a separate background ensure that you are clear on the breadth of the specification.	Attempt the questions contained in BBC Bitesize for separate chemistry. Follow **Link 3** (below) Ensure that you are confident in your understanding of the GCSE topics by completing the Bitesize quizzes.	Make use of the materials contained in the AQA chemistry transition document. Try some of the activities. Follow **Link 5** (below) Make use of the materials contained in the AQA chemistry transition document. Try some of the activities.
Use your Kerboodle account. The GCSE Chemistry text book and materials relating to GCSE are readily available for you to use.	Complete some of the assessment tasks found in Kerboodle to check your understanding	Start accessing the A level text book in Kerboodle. Particularly the first three chapters which rapidly build on and push your knowledge from GCSE. Try the summary questions within each chapter.
Review how you wrote up practical work at GCSE. Look at the list of required practicals. Ensure you can confidently use scientific terminology. Follow **Link 2** (below)	Work through the task on chromatography on Bitesize. Follow **Link 4** (below)	See how this is built upon at A-level in the required practical 12. Follow **Link 6** (below) Explore the range of classic chemistry experiments at The Nuffield Collection. Follow **Link 7** (below)

Links to websites used in this Pre-A Activities sheet:

Link 1: https://www.aqa.org.uk/subjects/science/gcse/chemistry-8462
Link 2: https://filestore.aqa.org.uk/resources/chemistry/AQA-8462-PRACTICALS.PDF
Link 3: https://www.bbc.co.uk/bitesize/subjects/zs6hvcw
Link 4: https://www.bbc.co.uk/bitesize/guides/zqqtrwx/revision/4
Link 5: https://filestore.aqa.org.uk/resources/chemistry/AQA-7404-7405-TG.PDF
Link 6: https://filestore.aqa.org.uk/resources/chemistry/AQA-7404-7405-PHBK.PDF
Link 7: https://edu.rsc.org/resources/collections/nuffield-practical-collection