Additional Chemistry Knowledge for A Level Preparation

Within the Double Award Chemistry course, there are a small number of topics that are not covered in detail but will be assumed knowledge when you begin A Level Chemistry. It would therefore be beneficial to work through these topics before starting the course.

If you find any of the material challenging, please do not worry. The purpose of this work is to identify any gaps in your knowledge so that they can be addressed early. We will provide additional support and run extra sessions in school if needed to help you develop confidence in these areas.

Please work through each of the worksheets below and tick them off once you have completed them.

To support your learning, I have also included links to explanation videos and virtual practical demonstrations. These resources will help you review the key concepts and familiarise yourself with the practical methods required for A Level Chemistry.

As you work through the materials, make note of any areas you find difficult so that you can revisit them or seek support when needed.

Keep all of your work to show your teacher when you begin.

Titrations

Concentration in g per dm3 (1431)	WS	File	Ans
Thinking about concentrations (1103)	WS	File	Ans
Concentration of solutions (1104)	WS	File	Ans
Titrations 1 (1105)	WS	File	Ans
Titrations 2 (1106)	WS	File	Ans
Titrations 3 (1107)	WS	File	Ans

Video Clips and Simulation

Neutralisation (Titrations) | AQA GCSE Required Practical

Titrations Calculations (GCSE Chemistry) | The GCSE Science Teacher

Please use the practical simulation found here https://www.focuselearning.co.uk/s/5p8hdtis5fma to familiarise yourself with the technique of titration.

Organic Chemistry

ORGANIC CHEMISTRY	Type	File	Ans	Video Link for support
Cracking and alkenes (1241)	PP	File		
Alkenes (1232)	WS	File	Ans	Alkenes Reactions of Alkenes
Alcohols (1242)	PP	File		Alcohols
Alcohols (1233)	WS	File	Ans	
Carboxylic acids (1243)	PP	File		Carboxylic Acids
Carboxylic acids (1234)	WS	File	Ans	
Polymers (1244)	PP	File		
Addition polymers 1 (1235)	WS	File	Ans	Addition Polymers
Addition polymers 2 (1236)	WS	File	Ans	
Condensation polymers (1237)	WS	File	Ans	Condensation polymers

ORGANIC CHEMISTRY	Type	File	Ans	Video Link for support
Biochemistry (1239)	PP	File		Biochemistry
Biochemistry (1238)	WS	File	Ans	