

Summer Tasks 2023

YEAR 12 into 13 CHEMISTRY



TASK A – UpLearn

Focus on weaknesses from AS June exams.

Usage will be audited August 31st 2023 with expected progress of >600 XP points. Please use the proforma given after exams to target weaknesses.

TASK B – PAG Revision Maps

Practical Skills in written examinations

The work you have completed for the Practical Endorsement has been excellent preparation for your public exams in Year 13.

It has been clear from the new specification exam papers, practice and specimen papers that the practical activities completed form significant part of all three papers especially paper 3.

Questions have focussed on the following key areas:-

- **Planning** – can you describe practical activity including Identification of equipment – you are expected to be able to draw a scientific diagram of the equipment and annotate as appropriate.
- **Risk Assess** – identify both the generic and specific dangers in each experiment. Be able to propose ways to minimise the dangers and outline any action required in the event of an accident. You are recommended to use CLEAPS, and other online resources, to research and reference your risk assessment.
- **Variables** – Independent, dependent, control – identify as appropriate.
- **Analysis** – Link between scientific understanding and anticipated results.
- **Processing** – Can you present your results in a well-designed data table and/or graphically. Do you know what to do with the data in terms of calculations required? Do you support your work by using balanced equations and/or ionic equations.
- **Evaluation** – What are the limitations of your experiment? How do you minimise uncertainty and errors? How could you improve your experiment? Can you constructively criticise a proposed method/diagram in order to improve or make safe the procedure?

Please complete the work on PAGs 1, 2, 3 and 5.

Produce a document for each that addresses all areas above. There will be some exemplar materials in the google classroom and you will find the related PAG resources in your google classroom. This task will be discussed in class.

The expectation is that you produce an A4 or A3 mind map for each Year 12 PAG listed above. Some students have previously used PowerPoint also to create a presentation on each PAG.

PRINT your 12 mind maps and bring to your first Yr13 chemistry lesson.