

A Level Chemistry Summer Independent Learning Activity Y12 to Y13

Welcome to the second year of A Level Chemistry.

Please complete the following tasks ready for your first day back at New College in September.

The best way to complete this task is to print the work booklets and exam booklets, to fill in.

The other documents can be used as printed files or used electronically.

All resources and booklets for these tasks will be in a folder in Team A Level Chemistry Class of 2023.

Other resources can be found on the internet.

Part 1: Year 13 Preparation work

Task 1 – Topic 3.1.10 Equilibrium constant K_p for homogeneous systems

1. Refamiliarise yourself with your notes and booklets from 1.6 Equilibria, Le Chatelier's and K_c .
2. Using the resources provided in the folder, complete the work booklet. The textbook chapter and video links are good places to start but you can use other textbooks, websites etc of your choice to find the information.
3. Use the answer booklet to mark and correct your booklet.
4. Once you understand the topic, complete the exam question booklet.
5. Mark and correct the exam question booklet using the mark scheme available.

Task 2 – Topic 3.2.4 Properties of Period 3 elements and their oxides

1. Using the resources provided in the folder, complete the work booklet. The textbook chapter and video links are good places to start but you can use other textbooks, websites etc of your choice to find the information.
3. Use the answer booklet to mark and correct your booklet.
4. Once you understand the topic, complete the exam question booklet.
5. Mark and correct the exam question booklet using the mark scheme available.

Part 2: Year 12 Review work

You will need to revise all of the topics which you completed in Y12 to be fully prepared for the work that you will be doing in Y13.

Complete any exam papers (7401_1 and 7404_2) which you have not yet attempted.