**Year 12 Summer Work**

**Reflection:**

1. You have been emailed 4 GCSE mind maps, you are to expand these to represent what you have learnt this year. This should be done on A2 paper and drawn out, using colour. (A2 paper = 4 x A4 sheets glued together).
2. Check list – Read through the checklist and colour code how you feel about each topic.

**Application:**

You are to complete the two assessments that you have been given a hard copy, emailed and uploaded to the website. Complete both assessments in black pen without your notes, then swap to blue/different coloured pen and complete the parts you found difficult using your books.

Module 3 – Periodic table and energy

Module 4 – Core organic chemistry.

**Revision:**

You will be having 1 formal assessments when you return in September. This assessment will help us with setting your predicted grade, so aim high.

I would suggest using past paper questions to aid your revision, you will find banks of questions on <https://www.physicsandmathstutor.com/chemistry-revision/a-level-ocr-a/>

Your assessments will be as follows:

|  |  |
| --- | --- |
| **Module** | **Topics** |
| 2 | Atomic structure  Amount of substance  Acids  Redox  Electrons, Bonding and structure  Practical skills |
| 3 | The Periodic table  Enthalpy  Rate of reaction  Equilibrium  Practical skills |
| 4 | Naming hydrocarbons  Alkanes  Alkenes  Isomers  Reactions and mechanisms of alkenes  Addition polymers  Alcohols  Haloalkanes  The greenhouse effect  Analytical techniques  Practical skills |