

# A level Chemistry Induction Work: Phase 3

## What work is being set?

Having reviewed the atomic model as well as structure, bonding and properties as part of phase 2, we now move on to looking at mathematical skills in general and some that are specific to Chemistry during phase 3. Having a good grasp of these skills (and being aware of those that we need to focus upon in the future) will ensure that you can make good progress (and ask your teachers good questions when you need to!).

- **Task 1** – Complete the worksheets about the general mathematical competencies (rearranging equations, using standard form, significant figures and converting between units). These are skills which we use virtually every lesson as Chemists.
- **Task 2** - Complete the worksheets about the Chemistry related mathematical competencies (conversion of volume, moles calculations and concentration). Once again, these are skills which we use virtually every lesson as Chemists (and which you will probably be less familiar with than the general competencies in task 1).
- **Task 3** – How could we complete our induction work without having had the opportunity to write and balance symbol equations? You would have felt something was missing if I hadn't included it!

## How long should I spend on this work?

- It is expected that you spend five hours on this third phase of work.

## Who should I send this work to and / or who should I contact with any questions?

- Dr Ovens – [aco@hardenhuish.wilts.sch.uk](mailto:aco@hardenhuish.wilts.sch.uk)

## How and when to submit work:

- Submit your work in person to your teacher on the September Induction day – Thursday 2<sup>nd</sup> September.