A level Chemistry Prep work for year 11's

If you are thinking about studying chemistry as an A level it is imperative that you come back in September with a thorough understanding of the GCSE content from combined science. This is the absolute minimum expectation.

Before looking at any other work **BEYOND** what you have studied so far, you need to be regularly scoring 80% plus in past papers. If you are not yet in that position that doesn't mean you won't be able to access the A level course but it means you need to be purely focusing on the GCSE content for the time being, and not worried about what will be coming up.

The first topics coming up in A level focus on C1, C2, C3 and C4. (ie majority of chemistry paper 1)

C5 onwards mainly comes up in the second part of AS chemistry.

Please see below a rough schedule you may want to use in terms of revision / being prepared for A level chemistry if you are considering taking course

C1 Atomic structure and the periodic table. Use your revision guides, homework booklets, the knowledge organisers online. Notes, videos , questions and answers for GCSE content: https://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/atomic-structure-and-periodic-table Looking ahead at A level content https://www.physicsandmathstutor.com/chemistry-revision/a-level-ocr-a/module-2/ (the atoms, isotopes and relative atomic masses part)
C2 Structure and bonding. Use your revision guides, homework booklets, the knowledge organisers online. Notes, videos , questions and answers for GCSE content: https://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/bonding-structure-properties-of-matter/ Looking ahead at A level content https://www.physicsandmathstutor.com/chemistry-revision/a-level-ocr-a/module-2/ (Bonding and structure part)
C3 Quantitative Chemistry. Use your revision guides, homework booklets, the knowledge organisers online. Notes, videos , questions and answers for GCSE content: https://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/quantitative-chemistry/ Looking ahead at A level content https://www.physicsandmathstutor.com/chemistry-revision/a-level-ocr-a/module-2/ (Moles and equations part)

C4 Chemical changes. Use your revision guides, homework booklets, the knowledge organisers online. Notes, videos , questions and answers for GCSE content: https://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/chemical-changes/ Looking ahead at A level content https://www.physicsandmathstutor.com/chemistry-revision/a-level-ocr-a/module-2/ (Acids part)
C5 Energy changes. Use your revision guides, homework booklets, the knowledge organisers online. Notes, videos , questions and answers for GCSE content: https://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/energy-changes/ Looking ahead at A level content https://www.physicsandmathstutor.com/chemistry-revision/a-level-ocr-a/module-3/ (Enthalpy part (some difficult ideas here, may want to just have a read through and not worry too much about this bit)
C6 Rates and equilibria. Use your revision guides, homework booklets, the knowledge organisers online. Notes, videos , questions and answers for GCSE content: https://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/rate-and-extent-of-chemical-change/ Looking ahead at A level content https://www.physicsandmathstutor.com/chemistry-revision/a-level-ocr-a/module-3/ (Rates and equilibria part (very similar to GCSE except for Boltmann distribution)
C7 Organic. Use your revision guides, homework booklets, the knowledge organisers online. Notes, videos , questions and answers for GCSE content: https://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/organic-chemistry/ Looking ahead at A level content https://www.physicsandmathstutor.com/chemistry-revision/a-level-ocr-a/module-4/ (This is massively extended in AS level, focus on the alkanes and alkenes to start with)
C8 Chemical analysis. Use your revision guides, homework booklets, the knowledge organisers online. Notes, videos , questions and answers for GCSE content: https://www.physicsandmathstutor.com/chemistry-revision/gcse-aqa/chemical-analysis/ Looking ahead at A level content https://www.physicsandmathstutor.com/chemistry-revision/a-level-ocr-a/module-3/ (Focus on the qualitative analysis part, this is also found in triple)