**Countdown Plan Year 13 – 2022:**

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| **Subject:** | A level Chemistry |
| **Examination adaptations for this year:** | Specific topics are named for each of the 3 papers, in rank order, with questions at the top of the lists worth more marks.  Topics not explicitly given in the list may appear in multiple-choice items, low tariff questions, or via synopticity.  <https://filestore.aqa.org.uk/content/summer-2022/AQA-7405-AI-22.PDF> |

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| **Lesson Countdown** | | | |
| **Week beginning:** | **Lesson 1:** | **Lesson 2:** | **Lesson 3:** |
| 28/02/22 | New content Teaching RP11 | New content 3.2.5 [Transition metals (A2)](https://www.aqa.org.uk/subjects/science/as-and-a-level/chemistry-7404-7405/subject-content/inorganic-chemistry#Transition_metals_A-level_only) | New content 3.2.5 [Transition metals (A2)](https://www.aqa.org.uk/subjects/science/as-and-a-level/chemistry-7404-7405/subject-content/inorganic-chemistry#Transition_metals_A-level_only) |
| 07/03/22 | Revise 3.1.6 Chemical equilibria,  3.1.10 Equilibrium constant Kp (A2) | New Content Teaching RP10 | Revise 3.1.2 [Amount](https://www.aqa.org.uk/subjects/science/as-and-a-level/chemistry-7404-7405/subject-content/physical-chemistry#Amount_of_substance) |
| 14/03/22 | Mock exams | | |
| 21/03/22 | Mock exams | | |
| 28/03/22 | Paper 3 mock | Walk and talk mark | Revise AS 3.1.4 [Energetics](https://www.aqa.org.uk/subjects/science/as-and-a-level/chemistry-7404-7405/subject-content/physical-chemistry#Energetics)  3.1.5 [Kinetics](https://www.aqa.org.uk/subjects/science/as-and-a-level/chemistry-7404-7405/subject-content/physical-chemistry#Kinetics) |
| 04/04/22 | Revise 3.3.3 [Halogenoalkanes](https://www.aqa.org.uk/subjects/science/as-and-a-level/chemistry-7404-7405/subject-content/organic-chemistry#Halogenoalkanes) | Revise 3.1.8 [Thermodynamics (A2)](https://www.aqa.org.uk/subjects/science/as-and-a-level/chemistry-7404-7405/subject-content/physical-chemistry#Thermodynamics_A-level_only) | Revise 3.1.9 [Rate equations (A2)](https://www.aqa.org.uk/subjects/science/as-and-a-level/chemistry-7404-7405/subject-content/physical-chemistry#Rate_equations_A-level_only) |
| 11/04/22 | Easter Holiday | | |
| 18/04/22 | Easter Holiday | | |
| 25/04/22 | Revise 3.3.4 [Alkenes](https://www.aqa.org.uk/subjects/science/as-and-a-level/chemistry-7404-7405/subject-content/organic-chemistry#Alkenes) (include basics 3.3.1Introduction to organic | Revise 3.1.1 [Atomic structure](https://www.aqa.org.uk/subjects/science/as-and-a-level/chemistry-7404-7405/subject-content/physical-chemistry#Atomic_structure) | Revise 3.1.3 [Bonding](https://www.aqa.org.uk/subjects/science/as-and-a-level/chemistry-7404-7405/subject-content/physical-chemistry#Bonding) |
| 02/05/22 | Revise 3.3.10 [Aromatic chemistry (A2)](https://www.aqa.org.uk/subjects/science/as-and-a-level/chemistry-7404-7405/subject-content/organic-chemistry#Aromatic_chemistry_A-level_only) | Revise 3.2.3 [Group 7(17), the halogens](https://www.aqa.org.uk/subjects/science/as-and-a-level/chemistry-7404-7405/subject-content/inorganic-chemistry#Group_717_the_halogens)  (include 3.2.1 [Periodicity](https://www.aqa.org.uk/subjects/science/as-and-a-level/chemistry-7404-7405/subject-content/inorganic-chemistry#Periodicity) ideas) | Revise 3.2.5 [Transition metals (A2)](https://www.aqa.org.uk/subjects/science/as-and-a-level/chemistry-7404-7405/subject-content/inorganic-chemistry#Transition_metals_A-level_only) |
| 09/05/22 | Revise 3.1.11 [Electrode potentials and electrochemical cells (A2)](https://www.aqa.org.uk/subjects/science/as-and-a-level/chemistry-7404-7405/subject-content/physical-chemistry#Electrode_potentials_and_electrochemical_cells_A-level_only) | Revise 3.3.13 [Amino acids, proteins and DNA (A2)](https://www.aqa.org.uk/subjects/science/as-and-a-level/chemistry-7404-7405/subject-content/organic-chemistry#Amino_acids_proteins_and_DNA_A-level_only) | Synoptic skills |
| 16/05/22 | Revise 3.1.12 [Acids and bases (A2)](https://www.aqa.org.uk/subjects/science/as-and-a-level/chemistry-7404-7405/subject-content/physical-chemistry#Acids_and_bases_A-level_only) | Synoptic skills | Synoptic skills |
| 23/05/22 | Identified revision | Identified revision | Identified revision |
| 30/0522 | Half term | | |
| 6/06/22 | Identified revision | Identified revision | Identified revision |
| 13/06/22 | Paper 1 Mon am  Pm lesson supported study | Supported study | Supported study |
| 20/06/22 | Paper 2 Mon am  Pm lesson supported study | Paper 3 thurs am |  |