**A-Level Chemistry Curriculum Map**

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| **Year 1 – A-Level Chemistry** | |
| **Term** | **Topics/Knowledge** |
| * Autumn 1 | * Atomic Structure * Amounts of Substance * Bonding |
| * Autumn 2 | * Reteach Weeks 1 * Energetics * Chemical Equilibria |
| * Spring 1 | * Reteach Week 2 * Oxidation, Reduction & Redox * Kinetics |
| * Spring 2 | * Reteach Week 3 * Periodicity * Group 2, Alkaline Earth Metals * Group 7, The Halogens |
| * Summer 1 | * Reteach Week 4 * Introduction to Organic Chemistry * Alkanes * Halogenoalkanes |
| * Summer 2 | * Reteach Week 5 * Alkenes * Alcohols * Organic Analysis |

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| **Year 2 – A-Level Chemistry** | |
| **Term** | **Topics/Knowledge** |
| * Autumn 1 | * Thermodynamics * Rate Equations * Equilibrium Constant Kp for Homogeneous Systems * Electrode Potentials and Electrochemical Cells |
| * Autumn 2 | * Reteach Weeks 1 * Acids and Bases * Properties of Period 3 Elements and their Oxides |
| * Spring 1 | * Reteach Week 2 * Transition Metals * Reactions of Ions in Aqueous Solutions * Optical Isomerism |
| * Spring 2 | * Reteach Week 3 * Aldehydes and Ketones * Carboxylic Acids * Aromatic Chemistry * Amines * Polymers |
| * Summer 1 | * Reteach Week 4 * Amino Acids, Proteins and DNA * Organic Synthesis * Nuclear Magnetic Resonance (NMR) * Chromatography |
| * Summer 2 | * Revision * A=Level Examinations |