**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
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| * 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
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| * Autumn 2
 | * Reteach Weeks 1
* Acids and Bases
* Properties of Period 3 Elements and their Oxides
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| * 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
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