

Curriculum Plan

Department/subject: Chemistry Year 12

Our Vision: **We take opportunities and aspire to excellence**

Our Intent:

- All students will experience a curriculum richness, breadth and depth
- The curriculum equips every student with the knowledge and skills for the future in our local area and beyond
- The curriculum builds on prior knowledge and creates a 'web of knowledge'
- Gaps in knowledge and skills are identified and addressed quickly

Year	Autumn 1	Autumn 2
Knowledge to be taught	2.1.1 Atomic structure and isotopes 2.1.2 Compounds, formulae and equations 2.1.3 Amount of substance and titrations 2.2.1 Electron structure	2.1.3 Amount of Substance and Titrations 2.1.4 Acids 2.1.5 Redox 2.2.1 Electron structure 2.2.2 Bonding and structure
Keywords	Relative Atomic Mass Mole Stoichiometry Orbital Principal Quantum Number Electron Spin Ion Burette Titre Standard Solution	Intermolecular Force Oxidation Number Proton Donor London Forces Dative Covalent Bond Hydrogen Bond Polarity Electronegativity Ionic Equation Reduction
Links to prior knowledge	Unit 1 – GCSE Chemistry – Foundations in Chemistry Unit 2 – GCSE Chemistry – Bonding Structure and Properties Unit 3 – GCSE Chemistry – Quantitative Chemistry Unit 4 – GCSE Chemistry – Chemical Changes	Unit 1 – GCSE Chemistry – Foundations in Chemistry Unit 2 – GCSE Chemistry – Bonding Structure and Properties Unit 3 – GCSE Chemistry – Quantitative Chemistry Unit 4 – GCSE Chemistry – Chemical Changes
How knowledge is assessed	Weekly Home Learning In class exam questions	Weekly Home Learning In class exam questions



	End of Topic Assessments	End of Topic Assessments
How gaps will be addressed	Weekly Home Learning In class exam questions End of Topic Assessment Class Discussion Independent Study Plans Completion of in class activities Kerboodle	Weekly Home Learning In class exam questions End of Topic Assessments Class Discussion Independent Study Plans Completion of in class activities Kerboodle
Cultural capital lessons		