

KS4 – Year 10 – Chemistry GCSE

Term	Topic Titles	Brief Overview
1	C1 - Atomic structure and periodic table	Students learn the fundamental concepts of atoms, their subatomic particles, how elements are organised in the periodic table, and the trends in their properties.
	C2 - Bonding, structure and the properties of matter	Students learn how different types of chemical bonds and structures determine the physical and chemical properties of substances.
2	C4 - Chemical changes	Students learn the reactivity of different substances, the processes of oxidation, reduction, and electrolysis, and the factors affecting the rates of chemical reactions.
	C3 - Quantitative chemistry	Students learn calculations involving the measurement of chemical quantities, including moles, concentrations, and yields, to understand and predict the outcomes of chemical reactions.
3	C5 - Energy changes	Students learn the concepts of exothermic and endothermic reactions, heat transfer in chemical reactions, and how energy changes influence reaction rates and equilibrium in chemical systems.
	C6 - The rate and extent of chemical change	Students learn factors influencing reaction rates, methods for measuring reaction rates, and how equilibrium is achieved and disturbed in chemical reactions.