## Chemistry GCSE@ **Wootton Academy Trust** Term 2 The Earth's atmosphere Our evolving atmosphere Greenhouse gases and climate The Earth's resources inite and renewable Nater treatment **GCSE** ife cycle assessments **Exams** Term 3 Term 5 Term 4 Term 1 Using our resources Review, consolidation, Review, consolidation, Polymers Rusting, alloys, polymers, glass, Intervention and GCSE exam Intervention and GCSE exam Addition, condensation ceramics, composites practice practice The Haber process **Chemicall analysis** Making fertilisers Mixtures Chromatograms Tests for gases Tests for ions Term 3 nstrumental analysis **Chemical changes** Reactivity and displacement Making salts Year Term 5 Neutralisation Rates and equilibrium Strong and weak acids 11 Collision theory Term 2 Reversible reactions **Chemical calculations** ynamic equilibrium Masses and moles **Balancing equations** Yield Concentrations, titrations Term 1 Term 6 The Periodic Table Term 4 Crude oil and fuels Electronic structure Electrolysis Hydrocarbons Group 1 and group 7 ncluding of aluminium and Fractional distillation Structure and bonding aqueous solutions Alkenes, alcohols, carboxylic lonic and covalent bonding **Energy changes** acid, esters Fullerenes and graphene Exothermic and endothermic Bonding in metals eactions **Nanoparticles** Reaction profiles Bond energy calculations Year Chemical cells 10 Term 2 Electricity Term 4 Current, resistance and potential Periodic Table difference Development and electronic Atomic Structure structure Term 6 Atoms, elements, compounds Group 7 and group1 Review, consolidate and Atomic theories over time ntervention. Atoms and Isotopes CREST Award Year Term 5 Term 3 Term 1 Organising animals and plants Cell Strucutre and Transport **Practical Skills** The circulatory system and Microcopes Energy in food and Exercise transiration system Classification of cells Testing metals and Rate of Conservation and dissipation Specialised cells Electromagnets and Friction of energy **Energy resources** Demands and the Calculating energy stores and Acids and Alkalis ransfers. environment pH scale and neutralisation Making salts Metal displacement Ecosystems Classification Adaptations nterdependence