



Curriculum Journey 2025-2026

Subject: Chemistry (Year 10)

Exam board: AQA

Year 10	Half Term 1	Half term 2	Half Term 3	Half Term 4	Half term 5	Half Term 6
Topic	Chem – Unit 4 Reactivity of metals Chem – Unit 2 Bonding (part1)	Chem – Unit 2 Bonding (part2) Chem – Unit 1 The periodic table	Chem – Unit 3 Quantitative chem	Chem – Unit 6 Acids and Bases Chem – Unit 5 Energy changes	Chem – Using resources Chem – Chemical analysis	Chem – Chemical analysis Chem – Chemistry of the atmosphere
Vocabulary	Chemistry -covalent, ionic, ions, metallic, intermolecular, electrostatic, bonds, ions, properties, lattice, electrons, molecules, reactivity, oxidation, reduction, dilute, concentrated, extraction	Chemistry -element, malleable, conductivity, compound, mass number, atomic number, transition, noble, halogens, alkali, diatomic molecule, trends	Chemistry – relativity, mass, mole, avogadro's constant, conservation of mass, thermal decomposition, reactants, products	Chemistry – displacement, oxidation, reduction, base, redox reaction, aqueous, hydroxide, ionized, neutralization, metabolism	Chemistry -resources, finite, renewable, potable, sustainable, recycle, life cycle assessment,	Chemistry -atmosphere, carbon dioxide, nitrogen, methane, ammonia, greenhouse, deforestation, global warming, climate
Assessment	Milestones Recall rallies	Milestones Recall rallies	Milestones Mocks Recall rallies	Milestones Recall rallies	Milestones Mocks Recall rallies	Milestones Recall rallies



Links to prior learning	Yr 7 – Elements, mixtures and compounds Y8 – Chemical reactions Yr 9- Metals and Non-metals	Y8 – Chemical reactions Yr 9- Metals and Non-metals	Yr 9 – Atomic structure and periodic table	Yr 8 – Acids and bases Yr 8 – Chemical reactions Yr 9 – Metals and materials	Yr 8 – Environmental chemistry Yr – Chemical reactions	Yr 8 – Environmental chemistry Yr 9- Fuels
Catholic Social Teaching	The dignity of work and participation Solidarity	Respect for Life and option or the poor and The dignity of work and participation Option for the Poor and Vulnerable-	Option for the Poor and Vulnerable The dignity of work and participation	Common Good Solidarity	The option for the poor Creation and the environment - Supports the call to use Earth's resources responsibly	Creation and the environment Common Good Solidarity Peace
Careers and Personal Development links	Chemical analyst Forensic science Material scientist	Pharmacist Chemical Engineer Journalist	Quality control analyst Researcher Medicinal researcher	Biotechnologist Lecturer	Environmental scientist	Oil rigs Renewable energy companies