

CHEMISTRY – CURRICULUM OVERVIEW 2021-2022

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
7	Mixing, dissolving and separating		Elements, compounds, reactions		Explaining physical changes	
8	Using our Earth sustainably		Explaining chemical changes		Obtaining useful materials	
9	Atomic structure	The Periodic Table	Structure and bonding		The Earth's Atmosphere	The Earth's Resources

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
10	Chemical Calculations 1	Energy Changes	Chemical Changes	Chemical Changes	Electrolysis	Crude oil and fuels
11	Rates and Equilibrium, Chemical Calculations 2	Chemical analysis	Organic reactions, polymers	Using our resources	Revision	Exams

	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
12	Atoms, ions and compounds Amount of substance Electrons and bonding	Acids and redox Shapes of molecules and intermolecular forces Periodicity	Basic organic concepts Alkanes Alkenes Reactivity trends	Alcohols Haloalkanes Enthalpy	Reaction rates and equilibrium Organic synthesis Spectroscopy	Making aspirin Aromatic chemistry
13	Aromatic Chemistry, Carbonyls and carboxylic acids Rates of Reaction, Equilibrium	Acids, bases and pH Buffers and neutralisation Amines, amino acids and polymers	Organic synthesis Chromatography and spectroscopy Redox and electrode potentials	Enthalpy and entropy Transition elements	Revision	Exams