



	Autumn 1	Autumn 2	Spring 1	Spring 2	Summer 1	Summer 2
10	Structure and bonding	Rates of reaction	Organic reaction Polymers	Chemical analysis Earth's atmosphere	Using our resources	Earth's resources
11	Energy changes Chemical calculations	Chemical calculations Chemical changes	Electrolysis Chemical analysis	Chemical analysis Revision		
12	Atomic Structure, Alkanes and Halogenoalkanes	Amount of substance, bonding, alkenes.	Energetics, alcohols, and organic analysis	Chemical equilibria, redox reactions, and kinetics.	Periodicity, group 2 earth metals, halogens	PAGs and Thermodynamics
13	Rate equations, optical isomerism, aldehydes and ketones.	Equilibrium, Electrode potentials, carboxylic acids and aromatic chemistry.	Acids and bases, amines, polymers and organic synthesis.	Transition metals, NMR and chromatography.		