

Subject: Chemistry	Curriculum Leader: RBE
Exam Board: AQA	
Overview: <h2 style="color: #4a5568;">Subject content</h2> <p>3.1 Physical chemistry</p> <p>3.1.1 Atomic structure</p> <p>3.1.2 Amount of substance</p> <p>3.1.3 Bonding</p> <p>3.1.4 Energetics</p> <p>3.1.5 Kinetics</p> <p>3.1.6 Chemical equilibria, Le Chatelier's principle and K_c</p> <p>3.1.7 Oxidation, reduction and redox equations</p> <p>3.1.8 Thermodynamics (A-level only)</p> <p>3.1.9 Rate equations (A-level only)</p> <p>3.1.10 Equilibrium constant K_p for homogeneous systems (A-level only)</p> <p>3.1.11 Electrode potentials and electrochemical cells (A-level only)</p> <p>3.1.12 Acids and bases (A-level only)</p> <p>3.2 Inorganic chemistry</p> <p>3.2.1 Periodicity</p> <p>3.2.2 Group 2, the alkaline earth metals</p> <p>3.2.3 Group 7(17), the halogens</p> <p>3.2.4 Properties of Period 3 elements and their oxides (A-level only)</p> <p>3.2.5 Transition metals (A-level only)</p> <p>3.2.6 Reactions of ions in aqueous solution (A-level only)</p> <p>3.3 Organic chemistry</p> <p>3.3.1 Introduction to organic chemistry</p> <p>3.3.2 Alkanes</p>	

3.3.3 Halogenoalkanes

3.3.4 Alkenes

3.3.5 Alcohols

3.3.6 Organic analysis

3.3.7 Optical isomerism (A-level only)

3.3.8 Aldehydes and ketones (A-level only)

3.3.9 Carboxylic acids and derivatives (A-level only)

3.3.10 Aromatic chemistry (A-level only)

3.3.11 Amines (A-level only)

3.3.12 Polymers (A-level only)

3.3.13 Amino acids, proteins and DNA (A-level only)

3.3.14 Organic synthesis (A-level only)

3.3.15 Nuclear magnetic resonance spectroscopy (A-level only)

3.3.16 Chromatography (A-level only)