**SPECIFICATION OVERVIEW**

**EDEXCEL GCSE (9 – 1) CHEMISTRY 1CH0**

**SUBJECT CONTENT**

**Topics common to Paper 1 and Paper 2**

**Formulae, equations and hazards**

**1. Key concepts in chemistry**

Atomic structure

The periodic table

Ionic bonding

Covalent bonding

Types of substance

Calculations involving masses

**Topics for Paper 1**

**2. States of matter and mixtures**

States of matter

Methods of separating and purifying substances

**3. Chemical changes**

Acids

Electrolytic processes

**4. Extracting metals and equilibria**

Obtaining and using metals

Reversible reactions and equilibria

**5. Separate chemistry 1**

Transition metals, alloys and corrosion

Dynamic equilibria

Chemical cells and fuel cells

**Topics for Paper 2**

**6. Groups in the periodic table**

Group 1

Group 7

Group 0

**7. Rates of reaction and energy changes**

Rates of reaction

Heat energy changes in chemical reactions

**8. Fuels and Earth science**

Fuels

Earth and atmospheric science

**9. Separate chemistry 2**

Qualitative analysis: tests for ions

Hydrocarbons

Polymers

Alcohols and carboxylic acids

Bulk and surface properties of matter including nanoparticles

**ASSESSMENTS**



