

# Separate Science (Year 11)

Curriculum Map 2024-2025



## Chemistry

GCSE Exams

**Finalising Exam Technique**

- Mark schemes
- 6 mark responses
- Command words
- Interpreting tables
- Graph skills

**Review of Required Practicals**

- Making soluble salts
- Electrolysis
- Temperature changes
- Rates of reaction
- Chromatography
- Water



**The Atmosphere**

- Theories of the early atmosphere
- Explaining changes in the atmosphere over time
- The greenhouse effect and global warming
- Other pollutants from fuels

Mock Exam  
Paper 2

**Using Resources**

- Sustainable development
- Potable water
- Recycling
- Alternative methods for extracting metals
- Life cycle assessments
- The Haber process
- Fertilisers

**Chemical Analysis**

- Pure substances
- Formulations
- Chromatography
- Gas tests
- Anion tests
- Cation tests



Mock Exam  
Paper 1

**Rates of Reaction**

- Defining and measuring rate
- Calculating rate
- Collision theory
- Reversible reactions
- Le Chatelier principle

**Organic Chemistry**

- Reactions of alkenes
- Reactions of alcohols
- Carboxylic acids
- Esters
- Polymers
- Amines
- DNA