

Separate Science (Year 11)

Curriculum Map 2025-2026



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