

Science Curriculum Journey: Separate Chemistry (Year 11)

Curriculum Map 2026 - 2027



GCSE EXAMS

Finalising exam technique

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

Review of required practical's

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

Chemical analysis

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

The atmosphere

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

Using resources

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

December MOCKS

Paper 1 Biology & Chemistry & Physics

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