

Separate Science (Year 10)

Curriculum Map 2025-2026



Physics

Forces

- Forces and their Interactions
- Work Done and Energy Transfers
- Forces and Elasticity
- Moments, Levers and Gears
- Pressure and Pressure Differences in Fluids
- Forces and Motion
- Momentum

Mocks
Paper 1
Biology,
Chemistry &
Physics

Exam Preparation

- Required practical's
- Command words
- Application questions

Particle model

- Changes of State and Particle Model
- Internal Energy and Energy Transfers
- Particle Model and Pressure

Atoms and Isotopes

- Atoms and Nuclear Radiation
- Hazards and Uses of Radioactive Emissions and Background Radiation
- Nuclear Fission and Fusion

January
Assessment



Electricity

- Current, Potential Difference and Resistance
- Series and Parallel Circuits
- 2 Domestic Uses and Safety
- Energy Transfers
- Static Electricity

Energy

- Energy Changes in a System
- Conservation and Dissipation of Energy
- National and Global Energy Sources