

Science Curriculum Journey: Separate physics (Year 10)

Curriculum Map 2026 - 2027



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

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

Exam Preparation

- Required practical's
- Command words
- Application questions

Electricity

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

Energy

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

Covered in Year 9

- Electricity
- Models
- $V=IR$
- Required practical's

January
Assessment