

# Separate Science (Year 10)

Curriculum Map 2024-2025



## 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
- Domestic Uses and Safety
- Energy Transfers
- Static Electricity

### Energy

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