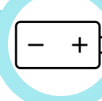


Intro to science
Practising the skills
needed to study science

Energy
Transfers and costs

Light and sound
How we perceive waves

Year 7



Motion and space
How objects move

Current and voltage
Basic circuits

Year 8

Investigations
Creating experiments to
test ideas



Wave effects
Phenomena caused by waves

Heating
Conduction, convection and radiation

Magnets
Using electricity to induce magnetism

Forces
Pushes, pulls and twists

Year 9



Energy

Calculating different types of energy



Particles

Explaining how solids, liquids and gases behave

Year 10



Forces

Calculating the forces in systems



Radiation

Types of radiation and uses



Electricity

Calculating the quantities in circuits

Year 11



Waves

Uses of the electromagnetic spectrum



Magnets

Calculations of electromagnetism



Space

Separate scientists only



Exam skills

Preparation for external exams

Year 12



Electrons, waves and photons



Forces and motion



Foundations in physics

Year 13



Newtonian world and astrophysics



Particles and medical physics



Exam skills
Preparation for external exams

KS3-KS5 Physics

Skills

Learned:

- Analyse patterns
- Discuss limitations
- Draw conclusions
- Present data
- Communicate ideas
- Construct explanations
- Critique claims
- Justify opinions
- Collect data
- Devise questions
- Plan variables
- Test hypotheses
- Estimate risks
- Examine consequences
- Review theories
- Interrogate sources
- Model ideas
- Calculations