

Curriculum Map

Year 9: Term 1

P2.1— Motion

P2.2—Newton's Laws

Year 9: Term 2

P2.2—Newton's Laws

P2.3—Forces in Action

Year 9: Term 3

P2.3—Forces in Action

P1.1 — The Particle Model

Year 10: Term 1

P1.2—Changes of State

P1.3 – Pressure

Year 10: Term 2

P3.1—Static and charge

P3.2—Simple Circuits

P4.1—Magnets and magnetic fields

Year 10: Term 3

P4.2—Uses of magnetisms

P5.1—Wave behaviour

P5.2—The electromagnetic spectrum

Year 11: Term 1

P5.3—Wave interaction

P6.1— Radioactive emissions

P6.2—Uses and hazards

P7.1—Work done

Year 11: Term 2

P7.2—Power and efficiency

P8.1—Physics on the move

P8.2—Powering Earth

Year 11: Term 3

P8.3—Beyond Earth

Examination preparation

Year 12: Term 1

Mod 1—Practical skills

Mod 2—Foundations of Physics

Mod 3.1—Motion

Mod 3.2—Forces in action

Mod 4.1—Charge and current

Mod 4.2—Energy, power and resistance

Year 12: Term 2

Mod 3.3—Work, energy and power

Mod 3.4—Materials

Mod 4.3—Electrical circuits

Mod 4.4—Waves

Year 12: Term 3

Mod 3.5—Newton's laws of motion

Mod 4.5—Quantum Physics

Complete / review Year 1

Mod 5.2—Circular Motion

Mod 6.1 Capacitors

Year 13: Term 1

Mod 5.3—Oscillations

Mod 5.1—Thermal Physics

Mod 6.2—Electric Fields

Mod 6.3— Electromagnetism

Year 13: Term 2

Mod 5.4—Gravitational Fields

Mod 5.5—Astrophysics and Cosmology

Mod 6.4—Nuclear and Particle Physics

Mod 6.5—Medical Imaging

Year 13: Term 3 Examination preparation

Assessment:

GCSE: Assessment tests based on the units covered at selected points throughout the year plus end of year and trial examinations

GCE: Assessment tests based on the modules covered at selected points throughout the course plus trial examinations

Related Careers: Engineering, Architecture, Astrophysics, Materials Science, Computing, Electronics, Aeronautics, Nuclear Physics, Geology, Meteorology, Design and Technology, Mathematics, law, accountancy, financing, computing, commerce and economics.