

A Level

Specification: OCR Physics H566

SCIENCE: PHYSICS

Contact:

JMS: Dr R Marsh

FZ: Mr W Browne

What will I study?

Development of practical skills in Physics Foundation of Physics (quantities & units, scalars & vectors, measurements), Forces & motion (motion, forces, work, energy & power, materials, Newton's laws) Electrons, waves & photons (Charge & current, energy, power & resistance, electrical circuits, waves, quantum physics) Newtonian world and astrophysics (Thermal physics, circular motion, oscillations, gravitational fields, astrophysics) Particles & medical physics (Capacitors, electric fields, electromagnetism, nuclear & particle physics, medical imaging)

How will I be assessed?

- Paper 1: Modelling Physics 100 marks (37%) 2h15min
- Paper 2: Exploring Physics 100 marks (37%) 2h15min
- P1&2: Multiple choice (15) Structured Questions(85)
- Paper 3: Unified Physics 70 marks (26%) 1hr30min
Structured questions and extended response questions
- Practical Endorsement: Teacher assessed, exam board moderated. Reported separately to A level grade - pass/fail only.

How will I learn?

- Working through examples
- Problem solving
- Practical activities
- Research & discussion

What skills will I need?

- Self-motivation
- Logical thinking
- An enjoyment of problem-solving
- Determination
- Good algebra skills