

KS5 Physics Curriculum

Externally Examined units

Course Title	Year 1 Route (Year 12)
As Physics	Modules 1 to 4
A2 Physics	Modules 5 to 6

Autumn 1

Autumn 2

Spring 1

Spring 2

Summer 1

Summer 2

As Physics

Module 1-Development of practical skills in physics

Module 2 – Foundations of physics

Module 3 – Forces and motion

Module 4 – Electrons, waves and photons

Module 5 – Newtonian world and astrophysics

Module 6 – Particles and medical physics

A2 Physics

Module 5 – Newtonian world and astrophysics

Module 5 – Newtonian world and astrophysics

Module 6 – Particles and medical physics

Module 6 – Particles and medical physics

Practical endorsement in physics

Module 1	Module 2	Module 3	Module 4	Module 5	Module 6	Practical endorsement in physics
<p>Building on:</p> <p>KS4: Practical skills assessed in a written examination</p>	<p>Building on:</p> <p>KS4: Physical quantities and units Making measurements and analysing data Nature of quantities</p>	<p>Building on:</p> <p>KS4: Motion Forces in action Work, energy and power Materials Newton’s laws of motion and momentum</p>	<p>Building on:</p> <p>KS4: Charge and current Energy, power and resistance Electrical circuits Waves Quantum physics</p>	<p>Building on:</p> <p>KS4/5 Thermal physics Circular motion Oscillations Gravitational fields Astrophysics and cosmology</p>	<p>Building on:</p> <p>KS4/5 Capacitors Electric fields Electromagnetism Nuclear and particle physics Medical imaging</p>	<p>Building on:</p> <p>KS4/5 Students gain practical skills throughout the course. These are assessed in the written examinations and in the practical endorsement</p>