

# Physics

**Examination Board:** CCEA

**Overview:**

Unlike the other sciences, physics has no limits - everything in your life, on this planet, other planets, to the far reaches of universe and beyond is in physics' job description.

You will already have come across some of the concepts of physics at GCSE: forces, energy, waves, radioactivity, electricity and magnetism. At A-level you will start to see how these ideas work together, and begin to grasp the universal principles that apply to everything from the smallest atoms to the largest galaxies.

**Course Content & Assessment:**

AS Units	
1. Forces, Energy and Electricity	Unit 1: 40% of AS (16% of A2)
2. Waves, Photons and Astronomy	Unit 2: 40% of AS (16% of A2)
3. Practical Techniques and Data analysis	Unit 3: 20% of AS (8% of A2)
A2 Units	
1. Deformation of Solids, Thermal Physics, Circular Motion, Oscillations and Atomic and Nuclear Physics	Unit 4: 24% of A2
2. Fields, Capacitors and Particle Physics	Unit 5: 24% of A2
3. Practical Techniques and Data Analysis	Unit 6: 12% of A2

<https://ccea.org.uk/post-16/gce/subjects/gce-physics-2016>