

KS4 GCSE Physics overview

| Unit | topics | % weighting | Assessment |
|------|--|---------------------------------|--|
| 1 | <ol style="list-style-type: none"> 1. Motion 2. Force 3. Density and kinetic theory 4. Energy 5. Heat transfer 6. Atomic and Nuclear Physics | 37.5% | External exam sat in June year 11 Students answer compulsory structured questions that include short responses, extended writing and calculations. |
| 2 | <ul style="list-style-type: none"> • Waves • Light • Electricity • Magnetism and electromagnetism • Space Physics | 37.5 % | External exam sat in June year 12 Students answer compulsory structured questions that include short responses, extended writing and calculations. |
| 3 | <ul style="list-style-type: none"> • Carry out an experiment from a list of prescribed experiments • Analysing experimental data • Planning an investigation • Analysing experimental data • Drawing conclusions from an experiment | Part A = 7.5% Part B = 17.5% | <p>Booklet A Practical skills assessment Externally marked Students carry out two pre-release practical tasks in the final year of study.</p> <p>Booklet B External written examination Students answer compulsory structured questions that include short responses, extended writing and calculations, all set in a practical context.</p> |

Ccea website for access to: Specification, past papers and mark schemes

<https://ccea.org.uk/key-stage-4/gcse/subjects/gcse-physics-2017>