

Go to www.ccea.org.uk/therevision to download the most up-to-date version of the **Physics Specification**

Supporting You

Support will initially be provided via the Physics micro-site at www.ccea.org.uk where we will publish teacher and student support materials as possible to include:

- the latest version of the GCE Physics specification;
- specimen assessment materials;
- guidance notes for teachers.

We also intend to provide:

- exemplar papers and mark schemes;
- Chief Examiner's Reports;
- schemes of Work;
- centre support visits;
- support days for teachers;
- a resource list;
- exemplification of standards (available after the first examination series);
- planning for success (guidance on examination technique and approaches);
- student and examiner podcasts.

Details will be posted on our microsite at www.ccea.co.uk

Some of the materials listed above may be also be available in print.

Contact Us

If you have a query or require advice or guidance, please contact:

Subject Officer with overall responsibility for this specification

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3 good reasons to choose CCEA for your A level and GCSE provision



We support Learners

CCEA places the learner at the centre of everything we do across the entire curriculum.



We are Local

CCEA is Northern Ireland's awarding body – we understand local needs for local learners.



We are Listening

CCEA listens to its customers to ensure better outcomes for learners through developing relevant, high quality and innovative specifications.



CCEA'S REVISED GCE

Physics

Specification Snapshot

THE REVISION

For first teaching from September 2016
For first award of AS level in summer 2017
For first award of A level in summer 2018

Physics

Specification Snapshot



Overview

This specification is for those with an interest in the sciences and the working of the natural world. The study of physics opens up a wide range of opportunities for further study or higher education and builds skills for many careers. Students of physics will benefit from acquiring a valuable toolkit of scientific skills – researching, analysing and checking, problem-solving and thinking skills and using laboratory equipment.

This qualification is for students with an interest in the world around us and its functions, students who have a desire to acquire a deeper knowledge of the very origins of life.



Specification Summary

This specification is for first teaching from September 2016.
The first AS award will be in Summer 2017.
The first A Level award will be in Summer 2018

Students can take:

- The AS course as a final qualification; or
- The AS units plus the A2 units for a full GCE A level qualification.

AS 1: Forces, Energy and Electricity

AS 2: Waves, Photons and Astronomy

AS 3: Practical Techniques and Data Analysis

A2 1: Deformation of Solids, Thermal Physics, Circular Motion, Oscillations and Atomic and Nuclear Physics

A2 2: Fields, Capacitors and Particle Physics 2 hour written paper

A2 3: Practical Techniques and Data Analysis



Benefits to Students

- This specification gives students a strong set of skills within a highly valued subject which complements other subjects such as chemistry, biology, history, geography, ICT and environmental technology.
- It gives students a sound basis for progression to higher education in a STEM subject.
- This is an exciting time in our history with much innovation and development in our understanding of our world and this specification will give students a sound basis for further exploration of this subject.

Content	Content Summary	Assessment	Weightings
AS 1	Forces, Energy and Electricity	1 hour 45 mins Students complete a written examination, consisting of compulsory short answer questions and some that require extended writing. Externally assessed written paper	40% of AS 16% of A level
AS 2	Waves, Photons and Astronomy	1 hour 45 mins Students complete a written examination, consisting of compulsory short answer questions and some that require extended writing. Externally assessed written paper	40% of AS 16% of A level
AS 3	Practical Techniques and Data Analysis	2 (1 hour) components Students complete an externally assessed test of practical skills, consisting of four short experimental tests and a separate paper requiring the analysis of experimental results. Externally assessed	20% of AS 8% of A level
A2.1	Deformation of Solids, Thermal Physics, Circular Motion, Oscillations and Atomic and Nuclear Physics	2 hours Students complete a written examination, consisting of compulsory short answer questions and some that require extended writing. The questions have elements of synoptic assessment, drawing together different strands of the specification. Externally assessed: written paper	24% of A level
A2.2	Fields, Capacitors and Particle Physics	2 hours Students complete a written examination, consisting of compulsory short answer questions and some that require extended writing. The questions have elements of synoptic assessment, drawing together different strands of the specification. Externally assessed: written paper	24% of A level
A2.3	Practical Techniques and Data Analysis	2 (1 hour) components Students complete an externally assessed test of practical skills, consisting of four short experimental tests and a separate paper requiring the analysis of experimental results. Externally assessed	12% of A level