



Welcome to A Level Physics!

You've probably been wondering how studying A Levels will compare to your previous studies so we have put together a quick guide and some activities to help you get ready for starting in September.

A Level Physics

Serving the community through education and training



An Introduction to A level Physics



<i>Year 1</i>	<i>Year 2</i>
Measurements and their uncertainties	Further mechanics and thermal physics
Particles and radiation	Fields
Waves	Nuclear physics
Mechanics and energy	Option A: Astrophysics
Electricity	

Exam Board and specification

The Exam board that we follow at Bury College is AQA.

You can find many useful resources on their Website [A Level Physics](#)

AS Physics is content for year 1.

Teaching from: September 2015

Exams from: June 2016 (AS), June 2017 (A-level)
Specification code: 7407 7408
QAN code: 601/4746/5; 601/4747/7

Our AS and A-level Physics specifications will help you to inspire students, nurture their passion for the subject and lay the foundations for further study and the workplace.

Our specifications allow you to choose the context and applications to bring physics to life in the way that best suits the needs of your students.


The content of the AS is identical and co-teachable to that of the first year of A-level, which gives you flexibility in planning, timetabling and resourcing. The straightforward layout clearly lists what students need to know and highlights opportunities for skills development. The option modules for A-level Physics enable students to focus on topic areas that really engage them.

Practical work is at the heart of all good science teaching, and the required practical activities will give students the opportunity to embed their skills and knowledge. The A-level practicals ensure that students are able to access the Common Practical Assessment Criteria (CPAC) requirements of the course.

[Specification >](#)

[Specification at a glance >](#)

[Past papers and mark schemes >](#)



Download specification

What does A level Physics consist of ?

Linear A level Physics

- This is a 2 year course.
- There will be 3 externally set exams at the end of your 2nd year all of which are two hours long.
- There is no coursework, however your performance during practicals will be assessed and a *Practical endorsement certificate* issued.
- At the end of your first year you will take an internally marked exam to assess your progress.

What does A level Physics consist of ?

Practical endorsement certificate

The endorsement is simply Pass or Fail.

It often forms part of a University offer, so it is very important that students gain the certificate.

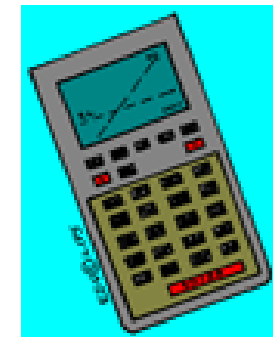
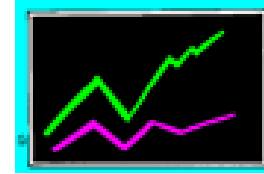
There are 12 required practicals over the two years during which practical skills are assessed.

All 12 practicals must be completed and fully written up.

The AQA practical hand book can be found on the VLE.

Mode of study

- You get 5 hours a week tuition in classes.
- You are expected to spend at least as much time as this doing homework and in private study.
- If you want to speak with the staff during your study then you can contact us using email or direct messaging us using the VLE mail. Or simply call by the staffrooms located in Venture building.



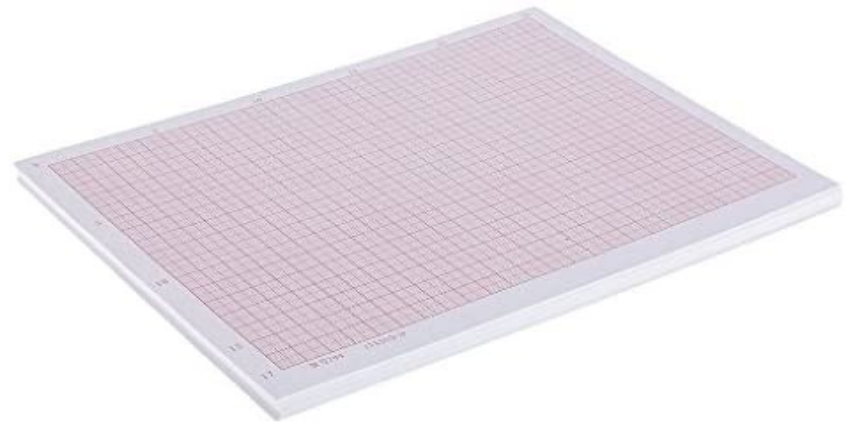
Recommended technology

- The College VLE contains: notes, assignments, and help for your course, information about your courses, information on exam dates plus many more interesting links and activities.
- Confident use of Microsoft Excel to study data. Display charts etc.
- Confident use of Microsoft Word to write reports.



What will I need?

- You supply your own writing paper.
- You supply a **scientific calculator that has stored statistical tables in them. E.g. Casio fx-85GT.**
- We supply any specialist paper e.g. graph paper and an exercise book.
- We will provide you with a folder to store your assessed homework.



Recommended web sites

Whilst studying A level Physics you will need to use the internet to support your study. Some useful websites are below

TL Physics and DrPhysicsA: websites that offer videos on all of the topic areas that are covered in year 1 (AS) and then year 2 (A Level)

[TL Physics videos A level Physics year 1](#)

[DrPhysicsA videos A level Physics revision](#)

Exam Solution Past papers

[AQA Physics past papers](#)

[Why study Physics?](#)

Recommended readings

- *A short History of Nearly Everything* by Bill Bryson;
- *Why don't penguins' feet freeze?* by New Scientist,
- *The Quantum Universe: Everything that can happen does happen* by Brian Cox and Jeff Forshaw.