

Why GCE Applied Science?

There is an extremely wide variety of employment opportunities for those interested in science. Career options range from a vast choice of medical opportunities through to employment in conservation and environmental projects. Those who study science can also, for example, go on to work as electronic or mechanical engineers, dieticians, technicians and research scientists. In fact science-based careers form one of the largest employment areas in the UK.

The GCE Applied Science course will allow you to study how science is applied in many different types of professions and industries. The focus of the course is scientific usage, concentrating on how scientists and others use science in their work.

During the course you will be given the opportunity to visit scientific workplaces and meet people who use science on a daily basis. You will also learn how science contributes to our lifestyle and the environment in which we live.

The course is designed to allow you to spend a considerable amount of your time in the laboratory, working on the kind of practical projects that may be undertaken by employees working in science-based industries.

Why should I choose this course?

The course that you choose to study will depend on your interests, strengths and preference for a particular style of learning as well as your future ambitions.

During this course you will be able to:

- . follow a programme of learning which is practically-based and which improves your practical skills;
- . follow a balanced science programme covering biology, chemistry and physics;
- . visit scientific workplaces;
- . work independently on a number of projects;
- . learn about the work of different types of people using science and the scientific skills that they use;
- . gain ideas about employment opportunities in science;
- . prepare for courses in higher and further education;
- . keep track of your progress and achievement throughout the course by programme of continuous assessment.

As well as using ICT for presenting your work, you will also be encouraged to use it for researching information, monitoring and recording experimental work.

What qualifications do I need before I start?

There are no formal entry requirements for this course. It is, however, normally expected that you will have followed a GCSE Science course and achieved a CC..

The most important requirement is that you have a practical interest in and enthusiasm for science and that you feel able to undertake the amount of portfolio work required to fulfil the demands of the course.

[These qualifications carry the normal number of UCAS points for AS and A Level subjects. You should expect to spend the same amount of time for qualification as you would for single award AS or A Level qualifications.](#)

A Level Applied Science

The A level Applied Science course will allow you to study how science is applied in many different types of professions and industries.

During the course you will be given the opportunity to visit scientific workplaces and meet people who use science on a daily basis. You will also learn how science contributes to our lifestyle and the environment in which we live.

Why should I choose this course?

- follow a balanced science programme covering biology, chemistry and physics;
- visit scientific workplaces;
- work independently on a number of projects;
- learn about the work of different types of people using science and the scientific skills that they use;
- gain ideas about employment opportunities in science;
- prepare for courses in higher and further education;

As well as using ICT for presenting your work, you will also be encouraged to use it for researching information, monitoring and recording experimental work.

What qualifications do I need before I start?

It is expected that you will have followed a GCSE Science course and achieved a CC.

What will I learn?

The AS and A2 each consist of 3 units. -- 2 are portfolio based and one examined unit.

AS units

- **Investigating Science at Work**- a general introduction to science in the workplace
- **Energy Transfer Systems**- a joint Biology and Physics examined unit.
- **Finding out about substances** – an analytical chemistry unit with lots of practical work.

A2 units

- **A detailed practical investigation on a subject of your choice.**
- **The Healthy Body**.-A Human Biology examined unit
- A choice of one other unit depending on the interest of the class.
e.g. **Sports Science, Actions of Medicines , Ecology.**



This qualification carries the normal number of UCAS points for AS and A Level subjects.
You should expect to spend the same amount of time for this qualification as you would for any AS or A Level.

Yr 12 Visit to Wessex Water