

Extended Certificate in Applied Science

Why should I study Applied Science?

Do you have a passion for Science? Do you enjoy developing practical skills and solving problems? Do you like to get involved in project work and think about how Science affects the World around us?

The Extended Certificate in Applied Science covers all the above and more. It is a vocationally based Level 3 qualification in which you will cover the scientific principles of all three Science subjects, build practical skills in Biology, Chemistry and Physics and use these to complete scientific investigations. You will also look at the wider impact of Science, discussing the role of scientists and the public perception of science. The course is assessed via both examination and coursework with equal weighting and therefore research and time management skills will also be developed which are essential in higher education and the workplace.

How are you supported on the course?

Many of the lessons will be activity based, you will spend a considerable amount of time completing practical work in newly refurbished laboratories. Each module is carefully planned to allow you to work both individually and also as part of a group. There will also be access to ICT facilities to allow you to work on portfolio work during lesson time with the support of your teacher.

What is an Applied Science lesson like?

You are likely to be completing investigation and portfolio work for approximately half of the given lesson time throughout the course. You will get hands on experience of experimental techniques across all the sciences. The other half of the lesson time will be taught in lessons using a variety of activities, from teacher led discussions to research tasks and presentations, this is to ensure that you are fully prepared for the theoretical examination part of the Applied Science course.

What more is there?

Winstanley College offers a huge array of STEM related activities, including a dedicated STEM day in which there are talks, demonstrations and stalls covering all three sciences. You will be asked to participate in this day and possibly also present some of your research. There are also a number of trips and visits arranged which will be appropriate for your course. We also offer opportunities to become involved in research partnerships with local universities and regularly enter students into national science competitions.

Links with other subjects

Biology, Chemistry & Physics: There are very obvious links to each of the separate science subjects, however there is no requirement to study them at A-level.

Maths: The course contains mathematical content, particularly within the Physics related units. You should be comfortable with Maths and also be prepared to develop your skills. There is no requirement to study Maths at A-level but it can be studied as one of your additional subject choices.

Vocational Health and P.E.: There is a unit covering the workings of the human body which will supplement both subjects. If you wish to continue and study related subjects at university then the Extended Certificate in Applied Science will enhance your application.

Careers and University

The Extended Certificate in Applied Science has been developed in conjunction with a number of Higher Education institutions. Therefore it is a desirable qualification for any applied science courses at university or applied science careers. These include biomedical, forensic and sports science degrees and nursing. It is eligible for UCAS points that can be used towards progression to university.