

SCIENCE (APPLIED SCIENCE) - LEVEL 3 BTEC

EXTENDED CERTIFICATE SINGLE AWARD

Course Length:	Studied over two years
Examination Board:	Pearson Edexcel
Course Leader:	Miss S Rogers (rogerss@queenelizabeths.derbyshire.sch.uk)

Course Content

QEGS has a strong tradition of successful science teaching over many years.

This Level 3 BTEC is a Nationally Recognised Qualification which is widely accepted by universities and is equivalent to 1 A Level. Grades are awarded as "Pass", "Merit" and "Distinction" and carry the same UCAS points as A Levels.

During the first year students will concentrate on the externally assessed units, Unit 1 and Unit 3, and during the second year students will complete the internally assessed units, Unit 2 and Unit 8.

The course covers all three sciences of Biology, Physics and Chemistry, but in an "applied" context. That means that you will learn the science in a "real life" context through specially developed assignments. You will sometimes work on your own and sometimes in small groups.

We will teach you the research and study skills you will need for success. There will also be opportunities to visit scientific workplaces to learn how science and scientific skills are used professionally. Such visits will allow you to gain ideas about career opportunities in science. As well as using ICT for presenting your work, you will also be encouraged to use it for research and for monitoring and recording experimental work.

You will benefit from extensive support and guidance throughout your time on the course. BTEC Level 3 Applied Science will prepare you for a career in many science-based industries and organisations. It will also support those who are interested in other careers for which science is important such as Primary Teaching, Childcare, Nursing, Sports Management or Sports Training.

Many former science students have progressed to University to study a wide range of subjects including Forensics, Marine Biology, Animal Behaviour, Biochemistry, Physiotherapy and Biomedical Sciences.

Other students following the course have chosen to follow Apprenticeships in Laboratory Work or Engineering.

Mandatory units in the first year and into the second

- Principles and Application of Science 1 Examined externally (90GLH)
- Practical Scientific Procedures and Techniques (90GLH)
- Science Investigation Skills Examined externally (120 GLH)

The optional internally assessed unit is:

- Physiology of Human Body Systems (60GLH)

Why choose Level 3 BTEC Extended Certificate: Applied Science?

This course is perfect for students wanting to follow a science based career but who may be put off the traditional A Level science route by the increase in mathematical content or the linear examination structure. Level 3 BTEC in Applied Science sits well alongside A Levels such as Psychology, Sociology, Economics and PE.

Assessment

Unit No	Title	Assessment
1	Principles and Application of Science	External exam in May of Year 12
2	Practical Scientific Procedures and Techniques	Internal assignments completed by May of Year 13
3	Science Investigation Skills	External practical investigation and exam in January of Year 13
8	Physiology of Human Body Systems	Internal assignments completed by May/June of Year 13