

SUBJECT: SCIENCE

QUALIFICATION: BTEC FIRST CERTIFICATE IN APPLIED SCIENCE

QUALIFICATION LEVEL: Level 2

QUALIFICATION TYPE: BTEC LEVEL 2

AWARDING BODY: EDEXCEL

QUALIFICATION ACCREDITATION NUMBER (QAN): 10055587

DESCRIPTION

The course will develop your understanding of how science is used in the real world. The qualification offers an approach based on the student taking on the role of being employed within the science industry. Teaching strategies reflect the nature of the work within science-based industries, using a series of assignments and activities encouraging learners to take responsibility and ownership for their learning. The qualification is 100% internally assessed.

Learners may progress on to a BTEC National in Applied Science or related BTEC Nationals, GCE Applied Science or related NVQ qualifications, or enter employment.

WHAT WILL I LEARN?

Unit 1 - Chemistry Applications:

Learners will cover the fundamental topics in chemistry including classification, properties of materials, the factors that affect chemical reactions, the continuing growth of importance of organic chemistry and the importance of effects on the earth and its environment.

Unit 2 - Physical Science Applications:

This unit develops learners' knowledge and understanding of the fundamental principles of physical science and enables them to apply these principles to a range of practical situations. Learners will develop the physical science practical skills required by employees working in laboratories within the scientific industry or organisations that use science.

Unit 3 - Biological Systems:

This unit will enable learners to develop their biology practical skills, underpinning knowledge and understanding of biology, including applications in the workplace and effects on the environment and society.

WHAT ARE THE ENTRY REQUIREMENTS?

D or E in GCSE Science and Additional Science
D in E GCSE Mathematics

HOW WILL I BE ASSESSED?

The course is 100% portfolio based.

For each assignment, the students will be given an assignment brief outlining the criteria with tasks which meet those criteria. Opportunities to meet Pass, Merit and Distinction grades will be given to each student.

WHAT ARE THE COSTS?

None

FUTURE OPPORTUNITIES?

The BTEC First offers a vocational qualification that focuses on applied science and reflects aspects of employment within science organisations or organisations that use science.

The qualification offers an approach which is different to other NQF level 2 qualifications in science and will appeal to learners with learning styles where they prefer coursework covering a variety of scientific investigations.

The qualification provides a route to employment as science technicians/assistant practitioners who work in a wide variety of roles in the science industry or organizations that use science.

These can include roles such as:

- a quality control technician/analyst, where the employee works in a production plant laboratory carrying out analytical tests using ICT and interpreting data
- working in a hospital as a medical physics technician supporting the use of X Ray and other imaging/scanning instruments
- working in a research laboratory in the development of new drugs. Managing projects which include setting up apparatus, measuring and handling chemical substances, following procedures, carrying out observations and measurements, separating out and analyzing products
- working for a scientific magazine or journal. Editing and proof reading articles on issues such as implications and applications of new science discoveries/developments.

FURTHER INFORMATION

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