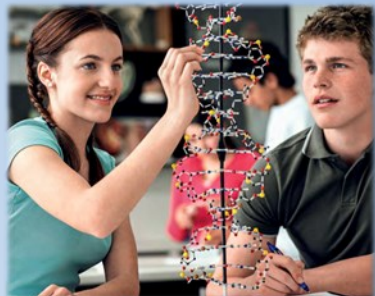


APPLIED SCIENCE



Achieving Excellence Together

OCR Level 3 Cambridge Technical Extended Certificate in Applied Science
Entry Requirements: Grade 4 in English, Maths and Science at GCSE Level.

Course Description

This academic course will teach theory from biology, chemistry and physics up to A level-equivalent.

The aim of this course is to develop professional and practical skills through carrying out real experiments and research.

Upon completion of the course, you will have a thorough understanding of the many different industries in which science plays an important role. You will have developed a skillset which will enable you to transition smoothly into higher education or the scientific workforce.

Method of Assessment

Units 1 & 2

Examined by an external written exam.

Units 3, 4 & 5

Internally assessed through portfolio and coursework.

Course Units

Unit 1 - Science Fundamentals

Taught concepts from biology, chemistry and physics. This unit aims to build upon and extend knowledge from GCSE.

Unit 2 - Laboratory Techniques

Introduction to an array for scientific techniques. Application of these techniques can be found across all fields of science.

Unit 3 - Control of Hazards in the laboratory

Researching the relevant legislation and requirements for the different laboratories within the industry.

Unit 4 - Microbiology

Techniques used to research microorganisms, and how they are used in food production and medicine.

Unit 5 - Product Testing Techniques

The analysis needed of chemicals, food products and pharmaceuticals before they reach the consumer.

Progression

This qualification will support the application to a higher education science-related course.

This course will open the door to working in the following industries:

- Healthcare
- Nutrition
- Marine Biology
- Ecology
- Human Biology
- Climate change analysis
- and many more.

For further details please email:

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