

BTEC National Level 3 Extended Certificate in Applied Science

Introduction

Are we closer genetically to our parents or our siblings? How long can a brain live outside the human body? We will ever find a cure for the flu? How do hay fever tablets

work? How do antibiotics kill bacteria? Why do mosquito bites itch so much?

Studying applied science will widen your understanding of how the human body works, how microbes cause disease and the massive developments in DNA technology over the last 20 years.

Content

This is a vocationally-related course aimed towards developing your skills and understanding in Biology, Chemistry and Physics. You will discover how Science is applied and used in a laboratory setting. You will develop your quantitative laboratory techniques and understand the theory behind the practical techniques such as: calibration, chromatography, calorimetry which are relevant to the chemical and life science industries.

Course Overview

The Level 3 Extended Certificate in Applied Science is comprised of four units. The course will be assessed both internally in the form of assignment work and externally in the form a formal written exam. Assignment work will be assessed in a variety of ways that will include project work and practical investigations. Completing the four units over the two years will enable you to achieve the Level

3 Extended Certificate in Applied Science which is the equivalent to one A-level.

The units cover a wide range of topics to include basic scientific principles, practical skills, investigational procedures and the physiology of the human body

What might the course lead onto?

The skills developed in this course can be applied to a wide range of careers. Many of our students go on to study higher apprenticeships, for example, as laboratory technicians in various fields at employers such as Boots and Derby Hospital.

Course Requirement

Grade 5 in GCSE Combined Science: Trilogy and an enthusiasm to learn Biology, Chemistry and Physics.

Course Leader

Mr R Best



 **Friesland** ^{6TH FORM}

ACHIEVING SUCCESS

Nursery Avenue, Sandiacre, Nottingham, NG10 5AF.

Tel: 0115 939 7326 www.frieslandschool.com