

## BTEC First Diploma in Applied Science

### Introduction

This course is suitable for anyone who is planning to enter work directly or wishes to proceed to further or higher education. It is especially suitable for someone considering a career in one of the main areas of science such as new product testing, hospital laboratory work, product development and quality control, sale of science-based products, food science and scientific research.

The course will provide students with an introduction to the science industry and related services, enabling them to investigate a range of areas of study.

This is a nationally recognised qualification equivalent to 4 A-C grade GCSEs.

In the past most students from intermediate vocational science courses have gone on to study other science or vocational qualifications.

### Year 1

The teaching for the course will involve a mixture of class teaching, practical work, personal research, group research, discussion and possibly visits to local industries and firms.

In the course you will study six units, three are compulsory and three are optional. The compulsory units are:

#### Unit 1 Scientific Principles

This unit covers key concepts in biology, chemistry and physics, and also the use of scientific units and their conversion.

#### Unit 2 Science and the world of work

This unit is designed to provide knowledge and understanding of the work environment for a variety of science-based occupations.

#### Unit 6 Working with science

This unit is designed to give an overview of the science practitioner at work.

The optional units are:

#### Unit 3 Chemistry Applications

This unit enables students to develop understanding of the fundamental concepts that underpin the applications of chemistry in industry and the practical skills required in the workplace.

#### Unit 4 Physical Science Applications

This unit develops student knowledge and understanding of the fundamental principles of physical science and enables them to apply these principles to practical situations.

#### Unit 5 Biological Systems

This unit will enable learners to develop underpinning knowledge and understanding of biology as they carry out a wide range of practical investigations.

### Assessment

All six units are portfolio assessed. These internally assessed units will be externally moderated.

### Specific Entry Criteria

Standard college requirements for an intermediate programme.