

Course Title: BTEC Level 3 Applied SCIENCE Equivalent to 1 full A Level qualification
Awarding Body: EDEXCEL
Further information available from: MR TRICKETT, DR ALLEN

Course requirements: at least a Grade 4 in GCSE Combined Science or in the separate GCSE Biology, Chemistry and Physics courses and a grade 4 in Maths and English. The course is equivalent to one A Level.

How is the course assessed?

A combination of assessment styles will give you confidence that you can apply your knowledge to succeed in the workplace. Firstly, a series of set tasks set in a work-related scenario. Next, you will be required to complete, in controlled conditions, a practical task tackling an everyday challenge and finally, there is a written exam.

- Unit 1 – an externally assessed written 2hr exam worth 90 marks
- Unit 2 – a series of practical tasks assessed internally by your teachers
- Unit 3 – an externally set task worth 60 marks, completed under supervised conditions over an assessment period of 9 days

Across the two year course you will study 3 mandatory units and then choose a final unit from a choice of:

- Physiology of Human Body Systems
- Human Regulation and Reproduction
- Biological Molecules and Metabolic Pathways
- Genetics and Genetic Engineering
- Disease and Infections
- Applications of Inorganic Chemistry
- Applications of Organic Chemistry
- Electrical Circuits and their Application
- Astronomy and Space Science

Mandatory units:

- **Principles and Applications of Science:** an in-depth study of fundamental scientific concepts encompassing biology, chemistry and physics applications that are crucial to our modern day lives.
- **Practical Scientific Procedures and Techniques:** a hands-on introduction to standard laboratory techniques.
- **Science Investigation Skills:** a practical based unit.