

Course Title: Applied Science

Qualification: NQF Level 3 Extended Certificate

Why should I study this course?	<p>This course looks at the fundamentals of science: covering aspects of biology, chemistry and physics, whilst encouraging you to express your opinions on different aspects of science. The course also focuses strongly on research and investigation, enabling you to carry out practical work, which will enhance your practical skills.</p>
What you will study	<p>The level 3 BTEC Level 3 extended certificate consists of three mandatory core units and one optional unit.</p> <p>MANDATORY UNITS</p> <ol style="list-style-type: none"> 1. Principles and Applications of Science I 2. Practical Scientific Procedures and Techniques 3. Science Investigation Skills <p>PLUS ONE OPTIONAL UNIT</p> <p>Physiology of Human Body Systems Human Regulation and Reproduction Biological Molecules and Metabolic Pathways Genetics and Genetic Engineering Diseases and Infections Applications of Inorganic Chemistry Applications of Organic Chemistry Electrical Circuits and their Application Astronomy and Space Science</p>
Assessment	<p>The BTEC course has 1 examination that will take place at the end of the first year of the course. This examination will assess unit 1 Principles and Applications of Science.</p> <p>The Science investigation skills unit will be externally assessed at a time set by Edexcel. This assessment will assess the ability to plan, carry out, draw conclusions and evaluate practical work.</p> <p>The final two units will be assessed internally. Assignment tasks will be set throughout the units and a 'PASS', 'MERIT' or 'Distinction' grade will be awarded.</p>
Prepares you for	<p>There are a large variety of degree courses that can be studied once science has been taken at Level 3. Science has a wide range of transferable skills which means scientists are highly employable with excellent career prospects.</p> <p>Many scientists continue to study the subject at degree level; these can include aspects such as nursing, biochemistry, applied science, microbiology, sports science, physiotherapy and many more.</p>



Home Learning Requirements	Home Learning is an essential requirement of the course. Regular home Learning will be set on a weekly basis. Outside of Home Learning tasks it is an expectation students will be researching and reading around the subject between lessons.
Grade Requirements	Grades 5 or above in GCSE combined science or Grade 5 in separate sciences with Grade 4 or above in GCSE Maths and English. An interest in scientific investigations and the world of science would be the perfect starting point for this course