

BTEC LEVEL 3 – EXTENDED CERTIFICATE – APPLIED SCIENCE



ST HILDA'S
COLLEGE

Course Content
<p>Three Mandatory Units</p> <ol style="list-style-type: none">1. Principles and Applications of Science (externally assessed)2. Practical Scientific Procedures and Techniques (internally assessed)3. Science Investigation Skills (externally assessed) <p>One Optional unit from:</p> <ol style="list-style-type: none">8. Physiology of Human Body Systems9. Human Regulation and Reproduction10. Biological Molecules and Metabolic Pathways11. Genetics and Genetic Engineering12. Diseases and Infections13. Applications of Inorganic Chemistry14. Applications of Organic Chemistry15. Electrical Circuits and their Application16. Astronomy and Space Science
Teaching and Learning
<p>The requirements of the qualification will mean that learners develop the transferable and higher order scientific skills and knowledge which are valued by higher education providers and employers. Learners will also develop key practical skills including how to risk assess and carry out investigations and preparations, collecting, analysing, and presenting data and communicating results. This qualification carries UCAS points and is recognised by higher education providers as contributing to meeting admission requirements for many courses if taken alongside other qualifications as part of a two-year programme of learning, including, but not exclusively, those which are science-related. The qualification can be taken as part of a diverse programme, leaving progression options fully open. It can also give context to subjects which would benefit from some scientific background. This will depend on the combination of qualifications chosen. For example, taken alongside:</p> <ul style="list-style-type: none">• A Level in Psychology and BTEC Level 3 National Extended Certificate in Sport to progress to sport psychology courses• BTEC Level 3 National Extended certificate in Health and Social Care to progress to nursing courses• BTEC Level 3 National Extended certificate in Sport and Exercise Science to progress to sport and exercise science courses
Assessment
<p>Unit 2 and the optional unit will be assessed internally. Units 1 and 3 will be assessed externally through examinations. Students will complete each unit and be graded pass, merit or distinction based on the successful completion of tasks.</p>
Progression
<p>The course will give a strong grounding for a profession that require a broad foundation in science. Students may go on to study criminology, nursing, sports science, geography, environmental science amongst other subjects.</p>
Entry Requirements
<p>A minimum of 5 GCSEs at Grades 4-9 to include Mathematics and Science. Science should be a Grade 5, 5 or above.</p>
Examination Board
<p>Pearsons BTEC</p>
Further Details
<p>Mrs Williams or Mrs Harrison</p>

The 6th Form
@ St Hilda's