



The Brunts Academy Sixth Form

BTEC

Applied Science



What will I learn?
 Intended as an Applied General qualification for post-16 learners who want to continue their education through applied learning and who aim to progress to higher education, and ultimately to employment, possibly in the applied science sector. The qualification is equivalent in size to half an A Level and aims to give a basic introduction to the study of applied science. Learners will develop laboratory skills, including collaboration and teamwork which support some of the skills learners need to progress to higher education, employment, self-employment or training.

What could this course lead on to?
 With a grounding in Applied Science, you could progress towards a range of fields like:

- Food Science • Forensic Science • Laboratory Assistant • Health Science • Industry Technician • Medical Technician • Pharmaceutical Industry

Entry Requirements:
 Please discuss with Mr. Epie Nanje

<p>1 Principles and Applications of Science I</p> <p>A Periodicity and properties of elements B Structure and functions of cells and tissues C Waves in communication</p>	<p>2 Practical Scientific Procedures and Techniques</p> <p>Learning aim A: Undertake titration and colorimetry to determine the concentration of solutions Learning aim B: Undertake calorimetry to study cooling curves Learning aim C: Undertake chromatographic techniques to identify components in mixtures C1 Chromatographic techniques Learning aim D: Review personal development of scientific skills for laboratory work</p>
<p>Assessed externally 2 hr exam</p>	<p>Assessed internally</p>

<p>3 Science Investigation Skills</p> <p>A Planning a scientific investigation B Data collection, processing and analysis/interpretation C Drawing conclusions and evaluation D Enzymes in action E Diffusion of molecules F Plants and their environment G Energy content of fuels H Electrical circuits</p>	<p>4 Optional unit</p> <p>To be chosen from a selection covering all three sciences.</p>
<p>Assessed as a supervised task</p>	<p>Assessed internally</p>

Staff Contact:
Mr. C. Epie Nanje Head of science
cepienaje@bruntsacademy.org