



BTEC Applied Science

Course title – Applied Science

Exam board - Pearson

Qualification title – BTEC Applied Science Extended Certificate

Specification link -

<https://qualifications.pearson.com/en/qualifications/btec-nationals/applied-science-2016.html>

Unit titles –

Units of study for Extended Certificate:

Unit 1 – Principles and applications of science

Unit 2 – Practical scientific procedures and techniques

Unit 3 – Science investigation skills

Unit 4 – Physiology of human body systems

Unit descriptions - Units of study for Year 12.

Principles and applications of science - Learners will develop an understanding of key concepts relating to biology, chemistry and physics. Centres are encouraged to use practical work to reinforce knowledge and develop learners' practical skills.

Practical scientific procedures and techniques - Learners are introduced to new experimental techniques, reinforcing methods met previously and developing practical skills including accuracy and precision.

Learners will research the background to a number of analytical and experimental techniques in an applied or vocational context.

Science investigation skills - Learners will analyse and evaluate scientific information to develop critical thinking skills and understand the use of the media to communicate scientific ideas and theories. Learners will also find out about scientific careers through the different roles scientists undertake in scientific organisations.

Entry Requirements – To be able to study BTEC applied science students must have obtained at least two grade 5 in combined or separate science GCSE. A grade 5 in maths and a grade 5 in English language is also required

Possible progression routes – This qualification is supported by a range of universities, and taken alongside other qualifications it can fulfil the entry requirements for a number of science-related higher education courses, including biomedical, forensic and sports science, as well as nursing.

Equipment required – Access to a computer and a USB Stick.

Any other relevant information – Assessment is carried out through both externally assessed examinations, and internally assessed coursework units. As such, assessment for the award is 50% examination, 50% coursework.

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