

BTEC : Applied Science

Course Description

The course aims to encourage students to;

Develop their interest in, and enthusiasm for, science;

Develop a critical approach to scientific evidence and methods;

Acquire and apply skills, knowledge and understanding of how science works and its essential role in society;

Acquire scientific skills, knowledge and understanding necessary for progression to further learning.

The major focus of this course is on the evaluation of evidence and the implications of science for society.

Assessment Information

In BTEC three of the four units are internally assessed based on the achievement of all specified learning outcomes. The fourth unit is via external assessment. Learners are graded using 'pass' (grade C), 'merit' (grade B) and 'distinction' (grade A).

The new BTEC Firsts are a level 2 qualification. However, we recognise that some learners may not achieve a full Pass at Level 2, so we have included the opportunity for learners to gain a level 1 qualification.

Exam: 25% / Coursework: 75%

This course leads to an:

Edexcel : BTEC Level 2 First Award in 'Principles (yr10) and Applications (yr11) of Applied Science' (2 GCSE's equiv)



Skills

- Interpreting data
- Critical thinking
- Reasoning
- Researching
- Problem solving
- Drawing conclusions
- Making informed and considered choices
- Evaluating evidence
- Assessing risks

Teaching & Learning

For the Principles of Science Award in year 10, the students will cover units 1-4, of the Programme of Study. For the Application of Science Award in year 11, units 5-8 are also mandatory to ensure a broad base of knowledge across the sciences is taught.

The First Award is a 4-unit and 120 guided learning hour qualification that consists of 3 mandatory units and an external exam that combine for a total of 15 credits.

The units are : Principles of Science (externally assessed) Chemistry and Our Earth, Energy and Our Universe, and Biology and Our Environment.

The First Award is graded either Pass, Merit or Distinction^(*)

Progression to Further Education

Students will be entered for the BTEC First Award in Applied Science if appropriate (equivalent to 2 GCSE grades).

BTEC Level 3 in 'Applied Science' is available in the Sixth Form.



For further information please see

Mr Wylam
Head of Science

Careers

Scientists work in industry, the health service, government establishments and educational institutions. Fields of work include research and development and scientific analysis, and there are job opportunities in almost every industry, from food and drink to pharmaceuticals.