



**Bideford College**

Part of the Athena Learning Trust

# Applied Science

**Subject Information  
For admissions in September**

# Applied Science

**Course Title: BTEC Applied Science Extended Certificate**

**Exam board: Pearson Qualification**

**Specification link:**

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

## **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

## **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 learner's 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 vocational context.

### **Science investigation skills :**

Learners will analysis 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.

### **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 or higher education courses, including biomedical, forensic and sports science as well as nursing.

### **Entry Requirements :**

Students who wish to study this course are required to achieve five GCSEs grade 5-9, including GCSE Science, English and Maths.

### **Subject Contact:**

Mr J Maughan

[jmaughan@bidefordcollege.uk](mailto:jmaughan@bidefordcollege.uk)

# How to apply?

To apply to Bideford College Sixth Form please complete our online application form:

<https://www.bidefordcollege.uk/sixth-form>

Our admissions team will then be in contact to arrange a Sixth Form interview to discuss your options, your aspirations, and to provide advice and guidance on your next steps.

If you cannot access the website, or would like to submit a paper based application please email or call.

[kgilbey@bidefordcollege.uk](mailto:kgilbey@bidefordcollege.uk)

01237 477611

Further details about all of the courses we offer can be found on our website.