

6

SPRINGBOARD



Extended Certificate in Applied Science

OUR COURSE DETAILS

The BTEC Extended Certificate in Applied Science is equivalent to 1 A level and supports students who want to study some science at level 3 to support their career plans, but don't have the necessary qualifications to take a science A level.

The course aims to develop hard-working, organised and self-motivated students with strong practical skills and an ability to research new topics and communicate clearly.

The course is structured so that students have a clear understanding of the topics that underpin science from early in the course, at the same time as developing students' skills in both examination and coursework. External assessments are spread through the course, with regular testing to ensure that students are able to apply and retain knowledge. A big emphasis is placed on developing practical skills throughout the course.



PREPARING FOR STUDY

Try some revision for all 3 sciences (CTRL-Click on the topics below)

- [Chemistry: Atomic structure, and Bonding topics](#)
- [Biology: topics on cell biology and organisation](#)
- [Physics: topics on Waves](#)



EMPLOYABILITY

Find out here what you can do with a degree:

www.prospects.ac.uk

Try here for apprenticeships:

www.notgoingtouni.co.uk



FILMS

- Never Let Me Go
- The Theory of Everything
- Deep Impact
- The Martian

UNIVERSITY COURSES

Students from this course go and study a wide range of courses, such as psychology, criminology, geography as well as foundation healthcare and science degrees.

Research these here: www.ucas.com

The UCAS website also has interesting information on careers, apprenticeships as well as university courses.

If you are interested in a pure or applied science degree, such as Biology, Biochemistry, Forensic science, Nursing or Midwifery, then you might be better looking at our extended diploma qualification instead



PEOPLE TO RESEARCH

William G. Kaelin Jr., Peter J. Ratcliffe and Gregg L. Semenza — awarded the Nobel Prize in Physiology or Medicine in 2019 for their work on how cells sense and adapt to oxygen availability.

Peter Mansfield – awarded Nobel Prize for developments around MRI

Linus Pauling – awarded 2 Nobel prizes: 1 for Chemistry and the Peace prize.

Hans Christian Gram – developed a method for staining

OUR TOP READS

A Short History of Nearly Everything by Bill Bryson

Bad Science by Ben Goldacre

Science in seconds, 200 key concepts explained in an instant by Hazel Muir

USEFUL ONLINE LINKS

BBC Sounds has some great podcasts.

Try looking at-

- Best thing since sliced bread
- Ingenious
- Science Stories
- The Infinite Monkey Cage



LINKS TO THE SPECIFICATIONS

Extended certificate (equivalent to 1 A level)

qualifications.pearson.com

Explore unit 1 from the first year.