SPRINGBOARD

Extended Diploma in Applied Science

OUR COURSE DETAILS

The BTEC Extended Diploma in applied Science is equivalent to 3 A levels and supports students who want to progress to university or employment in a field related to science or healthcare, but don't have the necessary qualifications to take science A levels.

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.

EMPLOYABILITY

Find out here what you can do with a science degree:

https://www.prospects.ac.uk/careers- advice/what-can-i-do-with-my-degree

Lots of our students go onto to do courses in biomedical science, nursing and healthcare related careers. Use this link to research career paths:

https://www.healthcareers.nhs.uk/

Try here for apprenticeships:
https://www.notgoingtouni.co.uk/all/filter/sector Filter/science-38

PREPARING FOR STUDY

Try some revision for all 3 sciences: https://www.bbc.co.uk/bitesize/examspecs/z8xtmnb (Atomic structure, Bonding, Quantitative chemistry)

https://www.bbc.co.uk/bitesize/examspecs/zpgc bk7 (topics on cell biology and organisation)

https://www.bbc.co.uk/bitesize/examspecs/zsc9r dm (topics on Energy, Electricity, Particle model

FILMS

- Never Let me go
- The Theory of Everything
- Deep Impact
- The Martian

UNIVERSITY COURSES

As well as nursing, midwifery, pharmacy and biomedical science degrees, we have also had students go and study a wide range of subjects, such as marine biology, agricultural engineering and economics. Look for some different ideas of courses and careers here:

https://edu.rsc.org/future-in-chemistry/career- options

https://www.rsb.org.uk/careers-and-cpd/careers http://www.physics.org/careers.asp

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

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 diploma (equivalent to 3 A levels)
https://qualifications.pearson.com/en/qualificati ons/ btec-nationals/applied-science-2016.html

Useful units to explore from the first year are Unit 1 and Unit 2.