



BTEC Applied Science

Subsidiary Diploma



STUDY LEVEL

BTEC

CONTACT DETAILS

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BTEC Applied Science is a general science course covering areas of all three sciences. BTEC is more vocational in approach, and is ideal for students more adept at continuous assessment where the whole course is assessed using coursework, with no examination.

What will I study?

BTEC Applied Science Subsidiary Diploma is equivalent to one A level

The course covers a variety of biological and chemical scientific modules including: the basics topics of science, practical techniques, laboratory skills, scientific investigations and analysing scientific data.

Co-curricular activities?

We run a programme of enrichment activities including talks from visiting academics and from universities on careers in science and related areas. In addition, students will need to complete a period of suitable work experience outside of College.

Where might it lead?

The BTEC Applied Science course is recognised by a large number of universities. Most BTEC students go to study for degrees in areas such as science, bio-veterinary science, nursing and education. It can lead to careers in healthcare, medical sciences, community work, forensics and many other fields.

Course Breakdown

Course Summary

- Exam board: Pearson

There are two options for the Level 3 BTEC National in Applied Science at Sir John Deane's:

- Extended Certificate – equivalent to one full Science A level – completion of four BTEC units.
- Diploma – equivalent to two full Science A levels – completion of eight BTEC Units.

Unit	Exam or coursework?	Extended Certificate	Diploma	Content	Weighting Ex Certificate	Weighting (Diploma)
1 Principles and Applications of Science	Exam	Yes	Yes	Cells, atomic structure and waves	25%	12.5%
2 Practical Scientific Procedures and Techniques	Coursework	Yes	Yes	Lab techniques (practical)	25%	12.5%
3 Science Investigation Skills	Practical investigation with exam	Yes	Yes	Skills needed in planning scientific investigations and drawing conclusions.	33%	17%
4 Laboratory Techniques and their Application	Coursework	No	Yes	Health and safety in the lab and more lab techniques	-	12.5%
5 Principles and Applications of Science II	Exam	No	Yes	Organs, thermal physics and uses of chemicals	-	17%
6 Investigative Project	Coursework	No	Yes	Students plan their own scientific investigation	-	12.5%
9 Human Regulation and Reproduction	Coursework	No	Yes	Homeostasis, reproductive hormones, nervous system	-	8%
11 Genetics and Genetic Engineering	Coursework	Yes	Yes	Structure of DNA, cell division, inheritance	17%	8%