



# BTEC APPLIED SCIENCE

**QUALIFICATION:** BTEC Science Level 3

**Examination Board:** Edexcel

## Why choose BTEC Nationals Science (Level 3)?

BTECs embody a fundamentally learner-centred approach to the curriculum, with a flexible, unit-based structure and knowledge applied in project based assessments. They focus on the holistic development of the practical, interpersonal and thinking skills required to be able to succeed in employment and higher education.

Today's BTEC Nationals are demanding, as you would expect of the most respected applied learning qualification in the UK. You will have to complete a range of units, be organised, take some assessments that we will set and mark, and keep a portfolio of your assignments.

## Course outline:

This is a 2 year qualification that aims to achieve a National Foundation Diploma in Applied science. There would be an option of completing a National Certificate in Applied Science in year 12 or cashing in an extended certificate at the end of year 13.

Year	Unit		GLH*	Level
1	1	PRINCIPLES AND APPLICATIONS OF SCIENCE - Externally assessed exam in summer assessment window.	90	3
	2	PRACTICAL SCIENTIFIC PROCEDURES AND TECHNIQUES - Internally assessed coursework tasks.	90	3
2			GLH	
	3	UNIT 3: SCIENCE INVESTIGATION SKILLS - Externally assessed exam based upon a practical investigation carried out in class.	120	3
	8	PHYSIOLOGY OF HUMAN BODY SYSTEMS - Internally assessed coursework tasks.	60	3

\*GLH = Guided learning hours.

Guided learning hours will be a combination of timetabled class time and independent study. Internally assessed units (2 and 8) are assessed using a portfolio of work produced by the individual student. The contents of the portfolio will vary with each module, but may include essays, presentations, work sheets, practical write-ups, graphs, poster work and research. Work must be the students' own and any resources used must be referenced correctly at the end of each piece. Units 1 and 3 are externally assessed exams.

**Awarding of Grades:**

Students will work towards a Level 3 BTEC Foundation Diploma in Applied Science. This carries equivalent points to an A2 level, as outlined below:

Extended certificate (2 year course)	UCAS Points
D*	56
D	48
M	32
P	16

National certificate (1 year course)	UCAS Points
D	24
M	16
P	8

**Careers and progression:**

Many students who study the BTEC route consider a career in the research science field or as a technician. However, with the relevant work experience candidates could progress onto careers in management, teaching or higher level research. Other possible career paths could include forensics, food manufacturing, environment and conservation, animal health and breeding, engineering and aerospace. Many organisations look favourably at students who have completed BTEC level 3 qualifications when offering apprenticeships.

**Entry requirements:**

To join the course, you will need a minimum 2 x 5's at GCSE Science (Core and Additional), 2 x 5's or above in Triple Science. Other routes may be considered, but the course will require literacy and numeracy skills.