

Course Title: BTEC Applied Science (Foundation Diploma)

A Level equivalency: 1.5

How will this course be assessed? 2 externally assessed written exams and 4 internally marked and assessed units of coursework

Units to be covered:

Unit 1 Principles and Applications of Science

Unit 2 Practical Scientific procedures and techniques

Unit 3 Science Investigation skills

Unit 4 Laboratory techniques and their application

Unit 8 Physiology of human body systems

Unit 9 Human regulation and reproduction

Course outline:

During Year 12, you will be taking 3 units for this qualification, Unit 1, 2 and 4. Unit 1 is an externally assessed unit and you will be studying the unit content from September 2018 until early January 2019 when you will be taking the exam.

Unit 1 Principles and Applications of Science consists of topics in Biology, Chemistry and Physics and is assessed by 3 x 40 minute exams and each paper is marked out of 30.

The exam papers consist of simple one word, one mark questions and more complex 6 mark questions. We will do plenty of exam practice prior to any actual exams.

Performance in the exam is graded as Pass, Merit or Distinction and to achieve a Pass you will need to score a minimum of 19/90, for a Merit 37+ and a Distinction 56+. Anything below 19/90 will be a fail.

You have to pass the exam to achieve the full qualification.

Units 2 and 4 are made up from internally marked and assessed assignments, again each assignment will be graded as pass, merit or distinction.

In Year 13 you will take a further 3 units, Units 3, 8 and 9. Unit 3 involves a practical and written external assessment and Units 8 and 9 are Biology based units assessed via internally marked and assessed assignments.

You will sit the Unit 3 assessment in January 2020.

Task:

One aspect of the Unit 1 content is Cells and we will be spending sometime in the lessons looking at the development of cell theory.

You will need to explain what cell theory is and produce a timeline showing the main stages in its development. You can include images to present your work more effectively.

It will need to be in either word or powerpoint format or it can be hand written and you will be expected to present part of it to the group when you come to NTC in September.