



BTEC

APPLIED SCIENCE



WHAT IS APPLIED SCIENCE?

Applied Science covers a broad spectrum of Biology, Chemistry and Physics. Students will study topics relating to all three sciences and gain a well-respected qualification that is equivalent to either 1 or 2 A levels.

Beyond the subject knowledge, the Applied Science course allows students to develop greater practical, investigative and independent research skills than in a traditional A level.

Throughout the course, links will be made to industry and applications of the subject into the real-world to give the student a greater understanding of how science can be applied to contemporary issues. A wide range of transferable skills will be developed that will help students at university and beyond.

WHY STUDENTS CHOOSE THIS COURSE

Applied Science suits students with an interest in a wide range of Biology, Chemistry and Physics.

It also benefits students with a preference towards practical work, and applications to industry.

With less emphasis on exams, this course allows students to develop independence, investigative and research skills. It can be taken in combination with a wide range of subjects, complimenting Psychology, PE, and Sociology well.



WHAT THE COURSE COVERS

Students can complete the single (1 A level equivalent) or double (2 A level equivalent).

The units covered are listed below:

Single Award YR1

Unit 1: Principles and Applications of Science I

Unit 2: Practical Scientific Procedures and Techniques

Single Award YR2

Unit 3: Science Investigative Skills

Unit 8: Physiology of Human Body Systems

Double Award YR1

Unit 1: Principles and Applications of Science 1

Unit 2: Practical Scientific Procedures and Techniques

Unit 3: Science Investigative Skills

Unit 4: Laboratory Techniques and their Application

Double Award YR2

Unit 5: Principles and Applications of Science II

Unit 6: Investigative Project

Unit 14: Applications of Organic Chemistry

Unit 21: Medical Physics Applications

STUDENT PROFILE

USMAN MASOOD

SCHOOL ATTENDED:

Dixons Trinity Academy

GRADUATED WITH:

Applied Science Diploma (Double) D*D*
A level Business A

DESTINATION:

University of Bradford
Studying Pharmacy



I chose this course because I want to pursue a career in healthcare science. I was born with a complex heart problem and have had numerous surgeries and ongoing treatment. But despite this my commitment, dedication and support from Dixons Sixth Form Academy has enabled me to be successful in my studies.



FOLLOW ON
TIKTOK & INSTAGRAM
@DIXONSSIXTH