



COURSE DIRECTORY

Vocational Pathway (all courses are the equivalent of 1 A level)

BTEC Business Studies
BTEC Health & Social Care
BTEC Sport
BTEC Public Services
BTEC Applied Science
BTEC Media
Cambridge Technical Introduction
Diploma IT
Level 3 Applied Diploma in
Criminology

Academic Pathway

A Level Art & Design
A Level Biology
A Level Business Studies
A Level Chemistry
A Level Computer Science
A Level Economics
A Level English Language
A Level English Literature
A Level French
A Level Further Mathematics
A Level Geography
A Level German
A Level Graphic Design
A Level History
A Level Law
A Level Mathematics
A Level Music
A Level Music Technology
A Level Philosophy & Ethics
A Level Photography
A Level Physics
A Level Product Design
A Level Psychology
A Level Sociology
A Level Spanish
A Level Textiles

BUSINESS & ECONOMICS

Welcome message from Chris Wilson Head of BEICT Faculty



Hello, my name is Mr Wilson the head of Business and Economics. I would like to welcome you to the faculty and hopefully encourage you to choose one of our highly interesting subject areas to study.

This is an exciting time to be studying Business & Economics!

The “Great Recession” of 2007/2008, BREXIT, GDPR, COVID-19 and Black Lives Matter present an ideal opportunity to study these courses and gain a deeper understanding of how, why and what happened in these life changing events. Business, Economics and Law are three vital pillars of our culture and society and through studying these courses you will be better informed and more aware of the world around you. We look to develop well rounded, engaging and inquisitive students through the lessons we deliver and actively ask you to question the world in which we live. These subjects will strengthen applications to university and also develop ideas for apprenticeships and future careers.

Business and Economics students have gone on to study a wide range of courses at university including ‘straight’ Economics, PPE (Philosophy, Politics & Economics), Business Management, Marketing, Business with Finance, Sports Management and Accounting. Curriculum enrichment includes the Young Enterprise Competition, the IFS Student Investor Competition and trips include going to the Old Trafford ground to take part in bespoke workshops.

The department is lucky to have an exceptional teaching team who have considerable experience, including examination board roles as senior examiners and authors. The resources you will be provided with go beyond a textbook and draw from this vast experience to ensure you have everything you need to secure the top grades.

If you would like to know more about any of our courses please do not hesitate to get in touch. Finally, I hope to see you in one of our classrooms very soon.

A LEVEL BUSINESS STUDIES

Level 3

Duration: 2 Years

Exam Board: Eduqas

Entry Requirements: 3 Grade 5s (including English Language), 2 grade 4s plus a grade 5 in GCSE Business Studies (if studied) and a grade 4 in Maths.

What will I study? You will learn how businesses are operated, how they respond to changes in the economy, law, demographic composition and more. There will be plenty of number crunching as the world of Business is full of numbers!

How will I be assessed? By externally assessed written examinations at the end of the second year of the course. The exams will consist of essays plus data response questions.

What will it lead to? Undergraduate degrees or advanced apprenticeships in Business, Business Management and other related subjects including Marketing, Human Resource Management or Accounting and Finance. Careers may include Entrepreneurship, Business Management or Banking.

BTEC EXTENDED CERTIFICATE IN BUSINESS

(Equivalent to 1 A Level)

Level 3

Duration: 2 Years

Exam Board: Pearson

Entry Requirements: 5 GCSE grades 9-4 including a grade 4 in English Language.

What will I Study? You will complete 3 mandatory units on Exploring Business, Personal and Business Finance and Developing Marketing Campaigns plus an additional optional unit.

How will I be assessed? A mixture of external examination and internal assessment across the four units.

What will it lead to? You may undertake an apprenticeship in a business related field such as Business Administration, Accountancy, Business Advisor, or Business Management or you may want to study a related course at University, or in fact become an Entrepreneur owning and running your own business.

A LEVEL ECONOMICS

Level 3

Duration: 2 Years

Exam Board: Eduqas

Entry Requirements: 3 Grade 5s (including English Language and Maths) and 2 grade 4s.

What will I study? You will study microeconomics that models the behaviour of individuals and firms and macroeconomics which models the behaviour of the whole economy. You will also study economics from a global perspective.

How will I be assessed? By three externally assessed examinations at the end of the second year of the course. These exams will consist of a mixture of multiple choice questions, data response questions and of course, essays.

What will it lead to? Economics is well respected by universities and employers so it opens up a wide range of opportunities. Future careers may include becoming an Actuarial Analyst, Chartered Accountant, Data Analyst, Financial Risk Analyst, Investment Analyst, Statistician or Stockbroker.

COMPUTING & ICT

Message from Julie Binks Head of ICT

It is an exciting time to get involved with Computing and IT whether that be in web creation, data analysis, encryption, cyber security or programming. Here at Barrow Hall College we are able to offer you a range of opportunities to develop your skills within these areas and beyond that will equip you for a career or further study in these fields.

So why study with us at BHC?

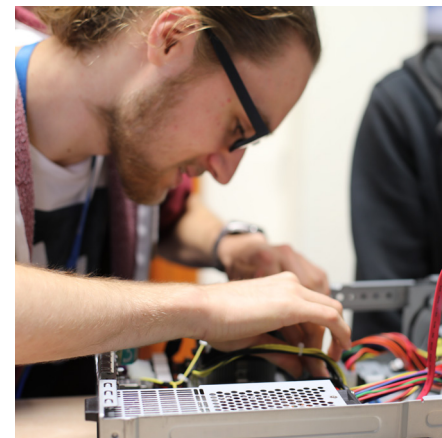
The department is made up of subject specialists with considerable experience. We consistently deliver excellent results on both the A Level and vocational course and have had students go on to study at prestigious Russell Group universities and secure higher apprenticeships including one student who is working with the British Intelligence Services. Our students don't just go on to study computer science or ICT but degree courses such as Engineering or combined courses such as Computer Science and Maths. As a department we recognise that these subjects go beyond the classroom and by allowing you to explore these areas freely in a safe and controlled environment you will develop a well-rounded understanding and appreciation for all that is involved.

Our super-curriculum enrichment includes trips and visits to IT Live at Disneyland Paris, the Escape Rooms in Warrington, Barclays Technology in Knutsford and to local universities. Our local and national business links also mean that you will benefit from careers talks and executive shadowing opportunities.

Students studying the computer science course have developed a range of 2D and 3D games, using a programming language of their choice. Students who study this course leave us with a range of programming languages which are used in industry; HTML, CSS, JavaScript, Python, SQL and C#.

Our courses allow the students to build up their confidence, working collaboratively and presenting their findings, again reading them for the world of work. They are preparing themselves for industry by becoming aware of the power of technology and its impact on society and the environment.

Consider joining us, and become an ambassador of Computer Science and ICT. We look forward to sharing our passion with you.



A LEVEL COMPUTER SCIENCE

Level 3

Duration: 2 Years

Exam Board: OCR

Entry Requirements: 3 Grade 5s (including English Language and Mathematics) and 2 grade 4s. Please note that if you want to study Computer Science at some Russell Group universities you will be expected to study A level Mathematics.

What will I study? You will study 3 components - 1: Computer Systems 2: Algorithms and Programming and 3: Programming Project.

How will I be assessed? Two externally assessed examinations (Components 1 & 2) worth 80% plus one internal assessment (Component 3) worth 20%.

What will it lead to? You could pursue your study of computer science at undergraduate level for example on a BSc or MEng Computer Science course, or secure a higher or degree apprenticeship. Future careers may involve applications analysis, business analysis, data analysis, games development, information systems management, consultancy, or multimedia programming.

CAMBRIDGE TECHNICAL INTRODUCTION

DIPLOMA **IT** (Equivalent to 1 A Level)

Level 3

Duration: 2 Years

Exam Board: OCR

Entry Requirements: 5 GCSE grades 9-4 including a grade 4 in English Language. Ideally you will have studied the Cambridge National in IT and/or GCSE Computer Science and achieved a Level 2 Pass/Grade 5 or above.

What will I study? Mandatory units in Fundamentals in IT, Global Information and Computer Networks plus 2 optional units.

How will I be assessed? 2 units are externally assessed by examination and 2 internally assessed coursework units.

What will it lead to? You could go onto university to study on an IT related course or secure an advanced apprenticeship. Future careers could include ICT technical support, web design, database administration, ICT sales, network management or IT consultancy.

CREATIVE ARTS

Message from Lorna Philcock Head of Art

Interested in a career within the creative industry? Then we have the courses for you. We offer A levels in Art & Design, Textiles and Photography.

The creative industries are one of the fastest growing parts of the UK economy. Opting for one of our visual arts courses can open the door to a career in architecture, games design, art therapy, illustration, web design, interior design, photography, fashion design, fashion purchasing, advertising and much more.

Students in the past have gone on to study Women's Fashion Design, History of Art, Fashion Styling and Promotions, Photography, Fine Art, Architecture, Make-up Design and Special Effects, Teacher Training, Fashion Buying and Merchandising, Illustration, Surface Pattern Design and Graphic Design.

During our two year courses you will have various enrichment opportunities such as gallery visits with the possibility of a more in depth cultural visit. Places are available for our workshop weekend with returning visiting artist Ian Murphy and we are currently researching other possible artists to run a second workshop. You can opt into our Art Club which takes place on a Wednesday afternoon. Towards the latter half of our course we invite past students in to discuss their career path while delivering a practical workshop within their specialized area.

Have I persuaded you yet? At BHC while we do expect you to buy some of your own equipment we supply more than most other colleges ensuring you are fully prepared for every lesson and your personal progression isn't determined by your finances. Our teaching team is dedicated to helping you reach your full potential, discovering who you are with the creative industry and guiding you to your future career with confidence and self-determination.



A LEVEL ART

Level 3

Duration: 2 Years

Exam Board: Eduqas

Entry Requirements: 3 Grade 5s (including English Language and Art or Textiles) and 2 grade 4s.

What will I study? Drawing, painting, printmaking, mixed media, ceramics and 3D work in year 1. In year 2 the focus will be on mastering your own specialist area.

How will I be assessed? Your Personal Investigation coursework will be worth 60% of your final mark and you will sit an externally assessed examination worth 40%.

What will it lead to? You may go onto an Art Foundation Course and future careers may include becoming an Architect, Illustrator, Curator, Theatre & Set Designer, Print Maker or Make-Up Artist.

A LEVEL TEXTILES

Level 3

Duration: 2 Years

Exam Board: AQA

Entry Requirements: 3 Grade 5s (including English Language and Art or Textiles) and 2 grade 4s.

What will I study? Surface decoration, fabric manipulation, applique, machine and hand stitching in year 1. In year 2 you will focus on mastering your chosen specialist area.

How will I be assessed? Your Personal Investigation coursework will be worth 60% of your final mark and you will sit an externally assessed examination worth 40%.

What will it lead to? You may go onto university or gain an apprenticeship and work as an Interior Designer, Costume Designer, Fashion Designer, Fashion Buyer, or Merchandiser.

A LEVEL PHOTOGRAPHY

Level 3

Duration: 2 Years

Exam Board:

Entry Requirements: 3 Grade 5s (including English Language and an Art and Design subject) and 2 grade 4s.

What will I study? You will be required to work on one or more areas of photography such as portraiture, landscape, still life, documentary or fashion photography, multimedia, or moving image. You will be expected to demonstrate skills such as audience awareness, responding to an issue and appreciation of viewpoint.

How will I be assessed? You will have two internally assessed (externally moderated) units. These will be completed in year 2.

What will it lead to? You may go onto university or an apprenticeship and enjoy a future as a Photographer, Graphic Designer, Magazine Features Editor, Television Camera Operator, Advertising Art Director, Digital Marketer or a Visual Merchandiser.



DESIGN

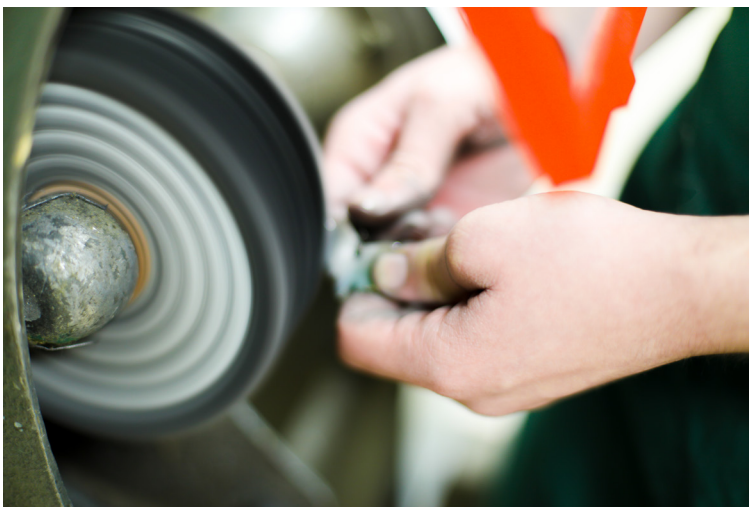
Message from Julie Attwood Head of DT

If you are interested in designing and creating new products and solutions then these courses are for you. Joining us at Barrow Hall College is a natural progression from KS4 to KS5 in a friendly and familiar environment with staff that you already know. If you are new to the college you will soon feel part of this special place. Our staff are experienced and strive to give you the best learning experience possible.

During the course you will visit local galleries and workshops to enhance your learning experience. We also have excellent facilities including 3D printers, laser cutters, Adobe Photoshop and Illustrator. When you leave Barrow Hall College you will be versatile designers with a range of skills which will enable you to be successful in an ever-changing competitive world.

These subjects can lead you to many different career paths from university to high level apprenticeships. Successes of our students in the past few years have included degree sponsored apprenticeships with JCB and ACOM Civil Engineering, Architecture at University of London, Graphic Design at University of Liverpool and Product Design at University of Leeds.

Our teachers will support you in every step of your course to ensure you reach your maximum potential.



A LEVEL GRAPHIC DESIGN

Level 3

Duration: 2 Years

Exam Board: AQA

Entry Requirements: 3 Grade 5s (including English Language and a DT subject) and 2 grade 4s.

What will I study? You will be required to work in one or more area(s) of Graphic Communication such as: Interactive Media, Advertising Packaging Design, Communication Graphics, Branding Multimedia and Motion Graphic Design. You may explore overlapping areas and combinations of these areas.

How will I be assessed? Internal assessment of your Personal Investigation Coursework (60%) and two externally assessed examinations (40%)

What will it lead to? You may go onto university to study a relevant subject or undertake an apprenticeship and enjoy a career as an Architect, Animator, Advertising Art Director, Creative Director, Graphic Designer, Illustrator, Print Maker or Production Designer.

A LEVEL PRODUCT DESIGN

Level 3

Duration: 2 Years

Exam Board: AQA

Entry Requirements: 3 Grade 5s (including English Language and a DT subject) and 2 grade 4s.

What will I study? You will complete a 'Design and Make' project including a portfolio of work. You will study 'Technical Principles' whilst being able to demonstrate maths and science skills.

How will I be assessed? Internal assessment of your design and make project (50%) and two externally assessed examinations (50%)

What will it lead to? You may go onto university to study a relevant subject or undertake an apprenticeship and enjoy a career as an Advertising Art Director, Automotive Engineer, Graphic Designer, Materials Engineer, Product Manager, or Production Designer.

MEDIA

Message from Sarah Edwards Head of Media

Studying Media opens up your understanding of how things work, how people become informed (or misinformed), and offers you the opportunity to understand how and why the media functions, including learning by creating your own media texts. From television to cinema, radio to podcasts, social media to blogs and vlogs, – media studies plays a big part of our everyday day. And it's never been so relevant than in the internet age, where actors, singers, and personalities can make their own celebrity online using their media skills. As technology, creativity, and competition increases, these skills become more in demand all over the world.

The range of industries represented by creative digital media production includes media such as film and television, digital publishing and digital games. These are some of fastest growing industries in the UK and are one of the areas in which the UK leads the rest of the world. Media studies will equip you with the communication and technology skills needed to succeed in the modern workplace, whether in the media industry or not. Plus at BHC we work with local industries to gain experience of in-house media roles, have 'in conversation' lectures with film editors and attend workshops in media skills at the Media Museum, Media City and London film museum.

Whether you choose to pursue a career in film and television, fight for your own fame, or take your skills into business – you'll be well equipped for what the modern workplace is looking for.



BTEC EXTENDED CERTIFICATE IN CREATIVE MEDIA (Equivalent to 1 A level)

Level 3

Duration: 2 Years

Exam Board: Pearson

Entry Requirements: 5 GCSE grades 9-4 including a grade 4 in English Language.

What will I study? You will study three Mandatory Units - Media Representations, Pre-Production Portfolio and Responding to a Commission plus one optional unit.

How will I be assessed? 50% internal assessment and 50% externally assessed examinations.

What will it lead to? You could go on to study on a related course at university or undertake an apprenticeship and enjoy a career as a Media Planner, Multimedia Specialist, Programme Researcher, Social Media Manager, Producer, or a Web Content Manager.





ENGLISH

Message from Anna Burns Head of KS5 English

‘A word after a word after a word is power.’ – Margaret Atwood

If you are an avid reader and enjoy nothing more than exploring and evaluating how texts are constructed, we are waiting for you to join our classroom discussions in the English department!

If you are interested in where our Language came from, how it has changed over time and how we continue to adapt its use in society today, you will thoroughly enjoy studying English Language A-level here at Barrow Hall College. There are exciting trips throughout the course to Media City and The Guardian where you can watch journalism in action, taking your learning beyond the classroom. You will be inspired to create your own articles and commentaries on topics that are important to you, supported and guided by our team of experienced teachers.

We also offer English Literature A-level, where you will have the opportunity to study a range of authors and genres, building confidently on your understanding of tragedy and crime from GCSE. Class sizes here are not too large, meaning that you will be able to have plenty of personalised feedback from your expert teachers. Theatre trips are tailored to suit the interests of the class and to challenge you to experience a range of genres through live performances. You will also have the chance to visit Shakespeare’s birthplace at Stratford-upon-Avon and listen to a professor provide further insight into the poetry, plays and novels you are studying.

Students who have studied English at Barrow Hall College have gone on to study English at universities such as Durham, Birmingham, Glasgow and Manchester, leading them to successful careers in Linguistics, Journalism, Law, Publishing and Education.



A LEVEL ENGLISH LANGUAGE

Level 3

Duration: 2 Years

Exam Board: AQA

Entry Requirements: 3 Grade 5s (including English Language) and 2 grade 4s.

What will I study? Unit 1 - Language, the Individual and Society; Unit 2 - Language Diversity and Change; Unit 3 Language in Action.

How will I be assessed? Two externally assessed examinations held at the end of year two equating to 80% of your qualification and coursework equating to 20%.

What will it lead to? You may go onto university to study English further, or a course which can draw on your English skills. You may enjoy a career as a Digital Copywriter, Editorial Assistant, Lexicographer, Journalist, Publishing Copy-Editor/Proofreader; Web Content Manager. Writer, or an Advertising Account Executive.

A LEVEL ENGLISH LITERATURE

Level 3

Duration: 2 Years

Exam Board: AQA

Entry Requirements: 3 Grade 5s (including English Literature) and 2 grade 4s.

What will I study? Unit 1 – Literary genres: Aspects of Tragedy; Unit 2 – Texts and Genres: Elements of Crime Writing; Unit 3 – Theory and Independence.

How will I be assessed? Two externally assessed examinations held at the end of year two equating to 80% of your qualification and coursework equating to 20%.

What will it lead to? You may go onto university to study English further, or a course which can draw on your English skills. You may enjoy a career as a Writer, Journalist, Teacher, Digital Copywriter, Editorial Assistant, or a Web Content Manager.



GEOGRAPHY

Message from Shaun Elliot Head of Geography

Geography is now the 'must have' A level across the UK (Guardian Newspaper). Geography is a subject for our times. It is inherently multidisciplinary in a world that increasingly values people who have the skills needed to work across the physical and social sciences. Geography is now all the rage! Geography A level is also highly valued across the Russell Group Universities.

At Barrow Hall College, we offer an exciting A level course following the Edexcel Specification. Modules include Tectonics, Coasts, Superpowers and Migration. There is a coursework element (20%) where you can be creative in designing your own Geographical Investigation. The results are consistently very good with 59% A*AB (2019).

The Geography team is made up of very enthusiastic and inspiring teachers with specialisms in physical and human Geography. Many students in the past have continued to study Geography at University. Timothy Cunningham (class of 2019) focusing on Physical Geography went on to study Meteorology and Climate Science at Leeds University. Eleanor Furbank (class of 2019) focusing on Human Geography went on to study Landscape Architecture at Sheffield University. Geography is a very exciting course at A level.

We offer 4 days of Fieldwork as part of the course including an overnight stay in Wales where you can carry out your own personal fieldwork. There is also the option to sign up for our whole school trips to Iceland and Italy. Whether you are a 'physical' or a 'human' Geographer – you will love the balance of topics taught at A level.

Start your Geography journey here at Barrow Hall College and you will never look back.



A LEVEL GEOGRAPHY

Level 3

Duration: 2 Years

Exam Board: Edexcel

Entry Requirements: 3 Grade 5s (including English Language and Geography) and 2 grade 4s.

What will I study? Physical Geography (Tectonic Hazards, Coastal Landscapes, Water Cycle and Insecurity and the Carbon Cycle and Energy Security) & Human Geography (Globalisation, Regenerating Places, Superpowers and Migration).

How will I be assessed? 80% externally assessed examinations (3 papers) plus 20% Independent Investigation.

What will it lead to? You may go onto university to study on a related course and enjoy a career as a Cartographer, Commercial/Residential Surveyor, Environmental Consultant, Geographical Information Systems Officer, Planning and Development Surveyor, Teacher, Town planner, Landscape Architect, or Nature Conservation Officer.



HISTORY

Message from Mark Farrer Head of History



History is widely recognised as being one of the most rewarding and universal subjects to study at A level. Consistently in the top 5 of A level subjects nationally (Independent). Studying A-Level History not only helps improve your knowledge of the past, but it also helps you gain skills that are invaluable in many jobs. Some of these skills include analysing, researching, communication and problem-solving. You'll also gain the ability to prioritise information and learn how to make vital decisions. This helps you to build an important skill-set needed for progression into university or a career.

At Barrow Hall College we offer an exciting and detailed A level course following the AQA specification. Over the 2 years you will study the exam topics of 'The making of Modern Britain 1951-2007' and 'Germany; the quest for political stability 1871 – 1991'. Alongside these modern history topics is the NEA independent study of the role witchcraft in the Stuart period.

The history department has grown over the last 3 years at Great Sankey which reflects our success as a department. A level history is taught by 4 specialists from a team of 7, all A level teachers teach a topic that they have studied at degree level. As a department we have over 70 years of teaching experience, with the team being made up of enthusiastic, dedicated, and inspiring specialists. All of whom hold the student at the centre of their teaching. As part of our A level alumni we have students who have gone on to read history at Cambridge, psychology at St Andrews, Law at Bristol, PPE at Liverpool and history at Manchester. Those students were able to do so having achieved A/A* in A level history.

History is a course that allows students to develop into mature young adults who are prepared for university. By choosing to study history at Barrow Hall you can have confidence that your teachers have prepared you to be independent in your studies but that you are always welcome to turn to us for support from the moment you enter the college.

A LEVEL HISTORY

Level 3

Duration: 2 Years

Exam Board: AQA

Entry Requirements: 3 Grade 5s (including English Language and History) and 2 grade 4s.

What will I study? The Quest for Political Stability: Germany, 1871-1991; The Making of Modern Britain, 1951-2007.

How will I be assessed? At the end of year 2 you will sit 2 externally assessed examinations worth 75%. Your NEA, which is internally assessed, counts for 25% of your final grade

What will it lead to? Studying A-Level History not only helps improve your knowledge of the past, but it also helps you gain skills that are invaluable in many jobs. Some of these skills include analysing, researching, communication and problem-solving. You'll also gain the ability to prioritise information and learn how to make vital decisions. This helps you to build an important skill-set needed for progression into university or a career.

PHILOSOPHY & ETHICS

Message from Lisa Baker Head of Philosophy & Ethics



Philosophy and Ethics is an exciting subject that explores the world as people find it. In the study of Philosophy and Ethics we investigate the most profound questions and the deepest aspects of what it means to be human. Are we simply animals that have evolved or do we have a spiritual dimension that survives us after death? Does God exist? What makes one action right and another action wrong?

Studying Philosophy and Ethics encourages you to think critically and to suspend your own beliefs and disbeliefs whilst thinking. It encourages open-mindedness and helps you mature in your thoughts. We study the AQA specification that consists of three parts; the study of Philosophy, the study of Ethics and the study of Religion. Philosophy and Ethics helps to develop skills of analysis, evaluation and literacy. This makes it an excellent subject when applying to university. Previous students have gone on to study at some of the top universities in the country studying a wide range of subjects such as law, medicine, politics, journalism, teaching, nursing, social work and business, to name but a few!

Barrow Hall College is the perfect place to study Philosophy and Ethics! Our results are fantastic. Last year 73% of the class received either A*, A or B, with 100% of the class receiving grades A*-C, this is a reflection of the fantastic quality of teaching in the department. The Philosophy and Ethics teaching team is made up of subject specialists who are all excited to be teaching this subject and encourage the very best from their students. Teachers work hard to ensure there is variety in the classroom and learning can be fun! At BHC we also really understand the importance of opportunities to learn outside the classroom to deepen your love of the subject. It is because of this we have taken students on trips to the Vatican in Rome and Auschwitz in Krakow. Students have also had opportunities to attend talks by important key scholars they study in the A level specification such as Richard Dawkins.

Philosophy and Ethics is a fascinating subject that challenges your thinking and allows you to explore the world in which you live. If you enjoy debates and critical thinking this is the subject for you!

A LEVEL PHILOSOPHY & ETHICS

Level 3

Duration: 2 Years

Exam Board: AQA

Entry Requirements: 3 Grade 5s (including English Language) and 2 grade 4s.

What will I study? Component 1: Philosophy of Religion and Ethics and Component 2: Study of religion (Christianity) and Dialogues.

How will I be assessed? Two externally assessed examinations worth 50% each representing the 2 components studied.

What will it lead to? You could go onto study a related course at University such as a BA Theology degree or Philosophy and religion. Future careers may include teaching, politics, journalism or law.



MATHEMATICS

Message from Michael Hay Head of Maths

Mathematics sits at the centre of many different pathways to your future. At BHC we show you where our phenomenal subject and its applications move on from after Year 11. Our staff are passionate, knowledgeable and specialist in the subject. They provide you with high-quality teaching and outstanding levels of support to enable you to fulfil your potential.

We look to challenge and enrich you as a mathematician by competing in activities such as the UKMT Senior Mathematics Challenge, masterclasses to help you prepare for STEP and MAT papers and the annual Ritangle competition run by MEI, where our Year 12 team were recognised for their outstanding efforts.

Our students use the mathematical qualifications that they gain to move onto a variety of different areas, including Higher Education courses and Apprenticeships. We are consistently successful in sending students to Oxbridge and Russell Group institutions and some of our past students at BHC are highly renowned in areas such as data analysis, engineering, forecast modelling and actuarial science.



A LEVEL MATHS

Level 3

Duration: 2 Years

Exam Board: AQA

Entry Requirements: Grade 6 in Maths (7 preferred), 3 Grade 5s (including English Language) and 2 grade 4s.

What will I study? A level Mathematics consists of developing concepts in the pure mathematics elements and then applying these two areas such as statistics and mechanics.

How will I be assessed? Three externally assessed written examinations at the end of year 2.

What will it lead to? You may go on to study Maths at university or a degree where A level Maths is expected such as Computer Science or Engineering. Future careers may include: Actuarial Analyst; Chartered Accountant; Data Scientist; Statistician; Teacher; Research Scientist or Investment Analyst.

A LEVEL FURTHER MATHS

Level 3

Duration: 2 Years

Exam Board: AQA

Entry Requirements: Grade 8 in Maths, 3 Grade 5s (including English Language) and 2 grade 4s.

What will I study? A level Further Mathematics builds upon concepts being developed in pure mathematics elements, such as, algebra, matrices and complex numbers. This is extended to investigating their use in mathematical applications, such as statistics and mechanics.

How will I be assessed? Three externally assessed written examinations at the end of year 2.

What will it lead to? You may go on to study Maths at university or a degree where A level Maths is expected such as Computer Science or Engineering. Future careers may include: Actuarial Analyst; Chartered Accountant; Data Scientist; Statistician; Teacher; Research Scientist or Investment Analyst.

CORE MATHS (Equivalent of 1 AS Level)

Level 3

Duration: 1 Year

Exam Board: AQA

Entry Requirements: 3 Grade 5s (including English Language and Maths) and 2 grade 4s.

What will I study? Topic include finance, estimation and statistical analysis

How will I be assessed? Two externally assessed written examinations at the end of the year.

What will it lead to? May lead to a variety of career roles not just those in accounting and finance. It will help apply mathematical techniques in economics, sociology, chemistry, geography, computing and business management.



MODERN FOREIGN LANGUAGES

Message from Trish Mellado
Head of MFL



Do you like the idea of having a second language to enhance your educational programme and increase your employability prospects? We live in a multicultural world and companies are increasingly aware of the advantages of recruiting people with language skills. Many students in England do not study a foreign language after GCSE, and yet employers really value young entrants to the workplace who have language skills to communicate with clients outside Britain. An A level language course in French, German or Spanish will combine well with any A level programme here at Barrow Hall College.

An A level qualification in a language can enhance your university application as it is well-respected by university admissions tutors. Careers in business, marketing, journalism, engineering, law and the tourist industry all demand good communication skills, and the ability to speak a foreign language will give you the edge when applying for jobs.

By choosing to study A level languages at Barrow Hall College, you will see your linguistic ability quickly improve. Our class sizes are small and this creates the perfect environment to enable your language skills to develop and consequently your confidence in your own ability to speak and write with increasing fluency will grow. Our A level students have participated in trips to Barcelona, Madrid, Leipzig, Köln and Paris in recent years.

In recent years some students of languages at Barrow Hall College have chosen to continue their studies of French, German or Spanish at degree level but others have gone on to combine their study with other subjects such as law and education. The beauty of studying a language is that it is so versatile; it complements and combines with a wide range of other subjects and is a lifelong skill.



A LEVEL FRENCH

Level 3

Duration: 2 Years

Exam Board: AQA

Entry Requirements: 3 Grade 5s (including English Language and French) and 2 grade 4s.

What will I study? The course is topic based and the following areas will be studied over the two years: The changing nature of family; The 'cyber-society'; The place of voluntary work; A culture proud of its heritage; Contemporary francophone music Cinema: the 7th art form Positive features of a diverse society; Life for the marginalised; How criminals are treated; The critical study of one French film and one book

How will I be assessed? You will be externally assessed on two written examination papers and an oral examination at the end of year 2.

What will it lead to? You may go onto study languages at university or a combined language and another subject at undergraduate level. Future careers may include interpreting, translating, teaching, international aid, law, diplomatic services, journalism or speech and language therapy.

A LEVEL GERMAN

Level 3

Duration: 2 Years

Exam Board: AQA

Entry Requirements: 3 Grade 5s (including English Language and German) and 2 grade 4s.

What will I study? The changing nature of family; The digital world Youth culture: fashion, music and television Festivals and traditions Art and architecture; The cultural life of Berlin past and present Immigration; Integration Racism Germany and the European Union Politics and young people German reunification and its consequences; The critical study of one German film and one book.

How will I be assessed? You will be externally assessed on two written examination papers and an oral examination at the end of year 2.

What will it lead to? You may go onto study languages at university or a combined language and another subject at undergraduate level. Future careers may include interpreting, translating, teaching, international aid, law, diplomatic services, journalism or speech and language therapy.

A LEVEL SPANISH

Level 3

Duration: 2 Years

Exam Board: AQA

Entry Requirements: 3 Grade 5s (including English Language and Spanish) and 2 grade 4s.

What will I study? The course is topic based and the following areas will be studied: Modern and traditional values (family / marriage / the church); Cyberspace; Equal rights; Multiculturalism in Hispanic society; Modern day idols; Spanish regional identity; Cultural heritage (music / art / architecture / literature); Today's youth, tomorrow's citizens; Monarchies and dictatorships; Popular movements; Critical study of one Hispanic film and one book.

How will I be assessed? You will be externally assessed on two written examination papers and an oral examination at the end of year 2.

What will it lead to? You may go onto study languages at university or a combined language and another subject at undergraduate level. Future careers may include interpreting, translating, teaching, international aid, law, diplomatic services, journalism or speech and language therapy.

MUSIC

Message from Jo Foster Head of Music

Are you creative? Do you enjoy performing and/ or recording music? Do you enjoy composing your own music and using sequencing software? Then we have the courses for you. We offer A levels in Music and Music Technology, often having students that take both.

The creative industries are one of the fastest growing parts of the UK economy. Opting for one of our music courses can open the door to a career in performing, composing, recording, teaching, journalism, film and gaming music, session musicianship, musical directorship and so on. It might be that you simply enjoy music; we have lots of students who take our subjects to show that they are well-rounded individuals. Universities view our courses fondly; Russell Group Universities particularly look for students who have A Level Music for their most academic courses such as Medicine.

Students in the recent past have gone on to study Music at The University of Cambridge, LIPA, The University of Sheffield and The University of Manchester. We have strong links with The University of Huddersfield and the majority of our Music Technology applicants choose to study there. Many of our alumni are now professional musicians, including a musical director at the Royal Exchange, Manchester and also qualified secondary music teachers who came back to Great Sankey High School to complete their teacher training with us.

During our two year courses, you will have various enrichment opportunities such as often being cast the lead roles in our school musicals, performing lunchtime concerts and participating in the fabulous and diverse extra curricular offer we have including SATB choirs and smaller instrumental ensembles. Our college students often lead and assist music staff with rehearsals for the younger students to help gain teaching valuable experience. We have annual trips to concerts and the theatre. We have an annual collaboration with Manchester Camerata which opens more doors concerning contacts for our students.

Our teaching team of specialists have consistently high results spanning beyond the last decade. Our small class sizes mean that tuition is regularly often one to one. We believe that personalised learning is key to develop individual skills in the creative industry. We have A Level examiners on our team so we know our qualifications to fruition; we ultimately understand how to get the best outcomes for our students whilst also offering an enjoyable and productive experience. In addition to the four music teaching staff, we also have ten instrumental/ vocal part time teachers. Our Headteacher is an advocate of the arts; should you wish to learn an instrument in college, the cost of these lessons is generously subsidised.



A LEVEL MUSIC

Level 3

Duration: 2 Years

Exam Board: AQA

Entry Requirements: 3 Grade 5s (including English Language and Music) and 2 grade 4s.

What will I study? You will study 3 components - 1: Appraising Music 2: Performance & 3: Composition

How will I be assessed? You will be assessed at the end of year 2. Component 1 will be assessed by a two-and-a-half hour examination paper covering listening, analysis and an essay. Component 2 involves a 10-12 minute performance of solo/ensemble/sequencing/multitrack recording. Component 3 involves two compositions, one free and one to brief.

What will it lead to? You may go on to study Music at undergraduate level and future careers may include: Musician; Music Therapist; Private Music Teacher; Secondary School Teacher; Sound Technician; Broadcast Engineer; Community Arts Worker; or Radio Producer.

A LEVEL MUSIC TECHNOLOGY

Level 3

Duration: 2 Years

Exam Board: AQA

Entry Requirements: 3 Grade 5s (including English Language and Music/Music Technology) and 2 grade 4s.

What will I study? You will study 4 components - 1: Technology Based Composition 2: Recording 3: Listening and Analysing and 4: Producing and Analysing

How will I be assessed? You will be assessed on all four components at the end of year 2. For component 1 you will plan and carry out your own multi-track; for component 2 you will use a range of production techniques to create your own original composition; for component 3 you will sit a written examination and component 4 will involve a practical and a written examination.

What will it lead to? You may go on to study Music Technology at undergraduate level and future careers may include: Director of Audio/Visual Events; Audio and Lighting Technician; Music Center Owner and Entrepreneur; Audio Engineer of Audio Visual Specialist.



SCIENCE

Message from Helen Stones Head of Science

If it's sciences and health that you're wanting then we are the department for you. With A levels in Biology, Chemistry and Physics and BTECs in Applied Science, Health and Social Care and Children's, Play, Learning and Development including the opportunity for work experience in an early years setting, you need look no further.

Our subjects lead to an A to Z of careers ranging from Analytical Chemist, Biochemist, Clinical Pharmacologist, Dentist, Engineer, Forensic Scientist all the way through to Zoologist!

Over the last few years we have had students go on to study Biomedical Science, Forensics Science, Aeronautical Engineering, Early Childhood Studies, Engineering and Physical Sciences, Meteorology and Climate Science, Genetics, Occupational Therapy, Children's Nursing, marine Biology Zoology as well as Medicine and Veterinary Medicine.

We frequently have students attend several summer schools at universities where they take part in activities as diverse as designing experiments to be launched into space to examine marine invertebrates and their responses to environmental stressors.

Each year we are able to run some excellent enrichment activities such as lecture visits to hear some of the best scientists working at the cutting edge of their specialisms including Prof. Robert Winston, Prof Andrea Sella, Prof Richard Dawkins, Prof Dame Nancy Rothwell, Dr Helen Czerski and Dr Maggie Aderin-Pocock to name a few. We are currently planning a trip to CERN in Switzerland as well as the possibility of trips further afield with Operation Wallacea as an introduction to conservation and biological field research.

Teachers in our department strive to make learning stimulating, encouraging students to push themselves further stretching both their ability and self belief.



A LEVEL BIOLOGY

Level 3

Duration: 2 Years

Exam Board: AQA

Entry Requirements: A grade 6 in Biology at GCSE or 7 on the combined GCSE course; 3 Grade 5s (including English Language) and 2 grade 4s.

What will I study? Biological Molecules; Organisms Exchange Substances With Their Environment; Genetic Information, Variation And Relationships Between Organisms; Energy Transfers In And Between Organisms; Organisms Respond To Changes In Their Internal And External Environments; Genetics, Populations And Ecosystems; And The Control Of Gene Expression.

How will I be assessed? Practical assessments have been divided into those that can be assessed in written examinations and those that can only be directly assessed whilst students are carrying out experiments. A level grades will be based only on marks from written examinations (3 papers sat at the end of the second year). A separate endorsement of practical skills will be taken alongside the A level. This will be assessed by teachers and will be based on direct observation of students' competency in a range of skills.

What will it lead to? You may go on to study Biology or a related course at university and future careers may include Medicine, Veterinary Medicine, Dentistry, Biomedical Science, Zoology or Teaching.

A LEVEL CHEMISTRY

Level 3

Duration: 2 Years

Exam Board: AQA

Entry Requirements: A grade 6 in Chemistry at GCSE or 7 on the combined GCSE course; 3 Grade 5s (including English Language) and 2 grade 4s.

What will I study? Students will study Physical Chemistry, Inorganic Chemistry and Organic Chemistry.

How will I be assessed? Practical assessments have been divided into those that can be assessed in written examinations and those that can only be directly assessed whilst students are carrying out experiments. A level grades will be based only on marks from written examinations (3 papers sat at the end of the second year). A separate endorsement of practical skills will be taken alongside the A level. This will be assessed by teachers and will be based on direct observation of students' competency in a range of skills.

What will it lead to? You may go on to study Chemistry or a related course at university and future careers may include Analytical Chemist; Chemical Engineer; Healthcare Scientist; Clinical Biochemistry; Forensic Scientist; Nanotechnologist; Pharmacologist; Research Scientist or Toxicologist.

A LEVEL PHYSICS

Level 3

Duration: 2 Years

Exam Board: AQA

Entry Requirements: Grade 6 in Physics and Mathematics at GCSE or a grade 7 in the combined course; 3 Grade 5s (including English Language) and 2 grade 4s.

What will I study? Particles and Radiation; Waves; Mechanics and Materials; Electricity; Further Mechanics and Thermal Physics; Fields and Their Consequences; Nuclear Physics; Turning Points in Physics; Measurements and Their Errors.

How will I be assessed? You will be assessed by three written examination papers which are externally assessed. Each paper lasts two hours and is sat at the end of the second year.

What will it lead to? You may go on to study Physics or a related course at university or alternatively secure a higher apprenticeship. Future careers may include Geophysicist; Field Seismologist; Metallurgist; Nanotechnologist; Radiation Protection Practitioner; Research Scientist; Engineer; Lecturer or Teacher.

BTEC EXTENDED CERTIFICATE IN **APPLIED SCIENCE**

(Equivalent of 1 A Level)

Level 3

Duration: 2 Years

Exam Board: Pearson

Entry Requirements: 5 GCSE grades 9-4 including a grade 4 in English Language.

What will I study? Mandatory units include Principles and Applications of Science; Practical Scientific Procedures and Techniques and Scientific Investigation Skills.

How will I be assessed? You will be assessed by a mixture of internally assessed coursework and externally assessed examination.

What will it lead to? You may go on to study a science course at university or secure a higher apprenticeship. Careers may include work as a Forensic Technician; Pharmacy Technician; Laboratory Worker or Teacher.

BTEC EXTENDED CERTIFICATE IN **HEALTH AND SOCIAL CARE**

(Equivalent of 1 A Level)

Level 3

Duration: 2 Years

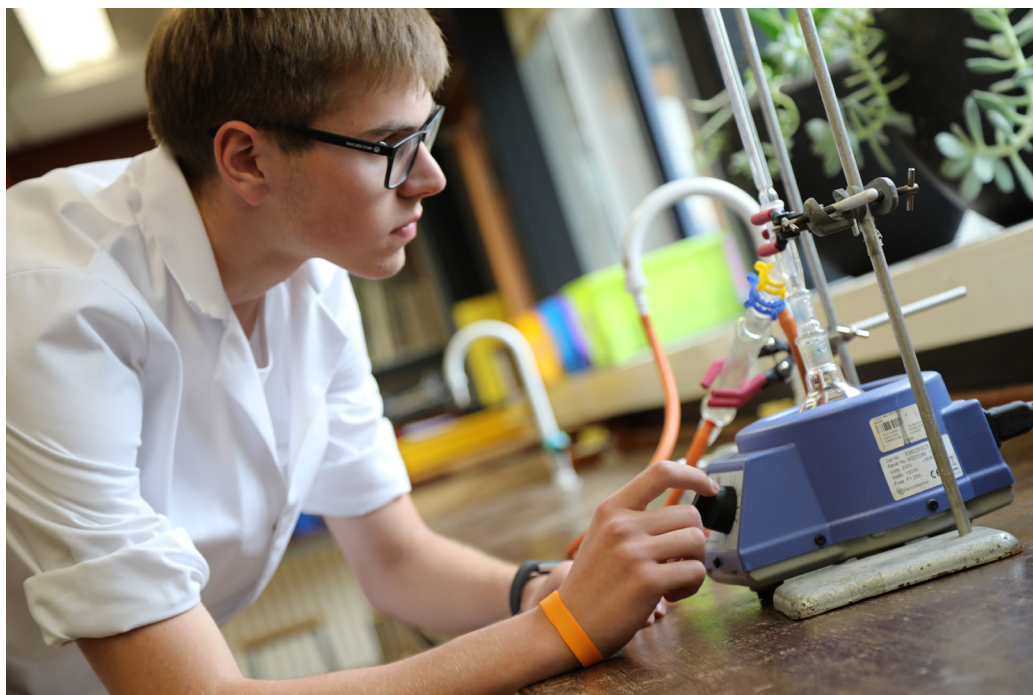
Exam Board: Pearson

Entry Requirements: 5 GCSE grades 9-4 including a grade 4 in English Language.

What will I study? Human Lifespan Development, Meeting Individual Care Needs; Working in Health and Social Care; Physiological Disorders and their Care.

How will I be assessed? You will undertake 50 hours of placement and you will be assessed by a mixture of internally assessed coursework and externally assessed examination.

What will it lead to? Future careers may include Nursing; Social Work; Teaching; Physiotherapy; Midwifery.





SOCIAL SCIENCES & LAW

Message from Sof Ben Ali Head of Social Sciences & Law



Social Science is the fascinating field of science that looks at understanding and explaining how we as people act - on a small scale as individuals and our inter-relationships or on a larger scale looking at institutions and societies. Psychology at Barrow Hall College builds on our excellent reputation as one of the biggest centres nationally to do GCSE, providing a solid foundation of knowledge and expertise. Our Psychology classes are engaging, support discussion and give you expert guidance from experienced staff who are A-Level examiners. Sociology classes will provide rich discussions and understanding about institutions such as family, education and the wider world around us, again by expert examiners. Criminology provides synoptic opportunities to link all 3 disciplines, with a focus on the fascinating study of crime, its causes, impact and solutions. Social Sciences can assist informing choices to future related pathways.

As a department we encourage constant exploration and reading around the topic (and watching many documentaries) as part of studying and immersing yourself in the discipline. This is promoted further in the social science enrichment club.

We provide extra-curricular experiences such as Cambridge HE+ Programme Masterclasses, guest speakers from Social science professions as well as extra-curricular trips such as to London to visit places of Social Science interest like the Freud Museum, Clink Prison and the Jack the Ripper tour. In addition we provide assistance and guidance with work experience in related fields should you wish to pursue social science for executive shadowing.

Law students will benefit from the super-curricular enrichment activities on the Pre-Law Aspiring Professionals programme including an opportunity to take part in the National Bar Mock Trial Competition, a residential visit to London where the group visit Parliament, The Royal Courts of Justice, UK Supreme Court and The Central Criminal Court (The Old Bailey). This is in addition to local court visits and careers talks from Barristers and Solicitors. Students who study Law at BHC go on to amazing things having studied Law or related subjects at prestigious universities including Oxbridge, Durham, Bristol and King's College London and London School of Economics. The subject consistently achieves outstanding results with A*-B grades reaching 75% and A*-C 100%.

We have a strong pastoral focus offering bespoke guidance from a year 12 and 13 Social Science tutor providing a strong sense of faculty. We proudly celebrate our many successes and keep in touch with many alumni who have gone on to Social Science University courses as well as those who have pursued careers in the field.

If you have an inquisitive mind and a thirst for knowledge and understanding of people and the world around us - then a Social science is for you - or better yet a combination of all three!

A LEVEL PSYCHOLOGY

Level 3

Duration: 2 Years

Exam Board: AQA

Entry Requirements: 3 Grade 5s (including English Language) and 2 grade 4s. If you have studied Psychology at GCSE we would be looking for you to have achieved a grade 5 or above.

What will I study? Social Influence, Memory, Attachment and Psychopathology, Approaches in Psychology, Biopsychology, Research Methods, Issues and Debates in Psychology, Gender, Schizophrenia and Aggression.

How will I be assessed? You will sit three externally assessed examination papers at the end of year 2.

What will it lead to? You may go on to study Psychology at undergraduate level and future careers may include Clinical Psychologist; Counselling Psychologist; Educational Psychologist; Forensic Psychologist; Health Psychologist; High Intensity Therapist; Occupational Psychologist; Mental Health Worker; Psychological Well-being Practitioner; Sports and Exercise Psychologist; or Teacher.

A LEVEL SOCIOLOGY

Level 3

Duration: 2 Years

Exam Board: AQA

Entry Requirements: 3 Grade 5s (including English Language) and 2 grade 4s.

What will I study? Education, Methods in Context, Theory and Methods, Families and Households, Beliefs in Society, Crime and Deviance.

How will I be assessed? You will be assessed by three externally assessed examination papers at the end of year 2.

What will it lead to? Future careers may include Community Development Worker, Family Support Worker, International Aid Development Worker, Social Researcher, Teacher or Lecturer.

A LEVEL LAW

Level 3

Duration: 2 Years

Exam Board: AQA

Entry Requirements: 3 Grade 5s (including English Language) and 2 grade 4s.

What will I study? You will learn how the English Legal System works and 3 substantive areas of law: Criminal law, Law of Tort, and Contract Law.

How will I be assessed? By three externally assessed examinations at the end of the second year of the course. These exams will consist of a mixture of multiple choice questions, essays and problem based scenario questions requiring application of the law.

What will it lead to? Law is well respected by universities and employers so it opens up to a wide range of opportunities. You may go to university or undertake a legal apprenticeship and work in the legal profession as a barrister, solicitor or legal executive. You may also go into politics, work for the police or even teach.

LEVEL 3 APPLIED DIPLOMA IN CRIMINOLOGY

Level 3

Duration: 2 Years

Exam Board: Pearson

Entry Requirements: 5 GCSE grades 9-4 including a grade 4 in English Language.

What will I study? Criminal Activity and Reporting; The Media and its Role in Creating Panic; Campaign for Change; Crime Scene Analysis; Courtroom Evidence; Role of CPS; Law Making; Prison and Agencies of Social Control.

How will I be assessed? Two externally assessed examinations of 90 minutes each as an E-Exam and two internally assessed pieces of work.

What will it lead to? You may go on to study Criminology or a related course at university. Future careers may include Advice Worker, Community Development Worker, Detective, Lecturer or Teacher, Policy Officer, Prison Officer, Probation Officer or Social Researcher.

SPORTS & UNIFORMED SERVICES

Message from Stu Garry
Head of Sport



If sport, physical fitness and the public services are your passion, look no further than the PE department at Barrow Hall College.

Our team is made up of enthusiastic and passionate teachers who are determined to bring out your full potential.

The department facilitates opportunities for students to complete BTECs in both Sport and Public Services, with units selected to develop a broad range of knowledge, giving you the best opportunities for future progression.

You will have the chance to be assessed both theoretically and practically demonstrating your many talents.

We are proud of our students' recent achievements with many going on to study at university, joining the uniformed services and others excelling within the sport and leisure industry.

Students have access to state of the art facilities with our 3G and new sports hall. As a department we thrive on providing extra-curricular opportunities through sports teams, trips and coaching opportunities.

As a department we passionately understand the importance of both sport and the uniformed services held within society and would welcome the opportunity to further develop your passion, knowledge and understanding in these areas.



BTEC SPORT

Level 3

Duration: 2 Years

Exam Board: Pearson

Entry Requirements: 5 GCSE grades 9-4 including a grade 4 in English Language.

What will I study? Mandatory units include Anatomy and Physiology, Fitness Training and Programming for Health and Sport and Well-being. Optional units will be chosen to best suit the needs of our students.

How will I be assessed? A mixture of internally assessed coursework and externally assessed examination.

What will it lead to? You may go on to study a sport related degree at university and future careers may include Sports Coach, Nutritionist, Physiotherapist, Fitness Centre Manager or Teacher.

BTEC PUBLIC SERVICES

Level 3

Duration: 2 Years

Exam Board: Pearson

Entry Requirements: 5 GCSE grades 9-4 including a grade 4 in English Language.

What will I study? Mandatory units include

How will I be assessed? Internally assessed coursework.

What will it lead to? You may go on to study a related degree at university such as Community Policing and Criminal Investigation and future careers may include work in Policing, the Fire Service, the Armed Forces or Government Policy Making.

