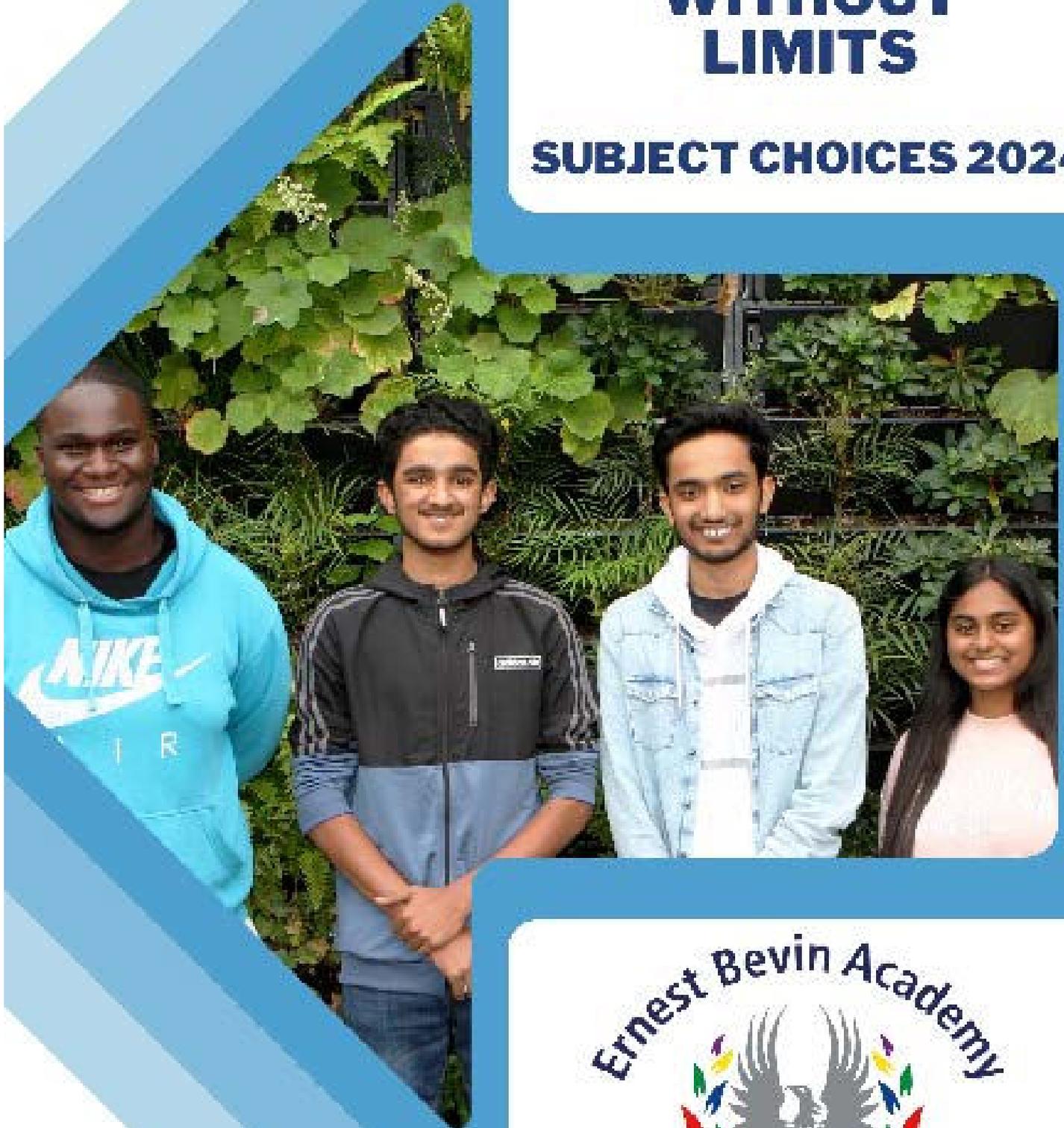


ERNEST BEVIN ACADEMY CO-ED SIXTH FORM

FOR A FUTURE WITHOUT LIMITS

SUBJECT CHOICES 2024



The best in everyone™

Beechcroft Road, Tooting, London, SW17 7DF
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Website: ernestbevinacademy.org.uk

Sixth Form Course Entry Requirements 2024-25

A Level

- 5 GCSE's (or equivalent) at Grade 9-4.
- Grade 4+ in English or Maths.
- Plus meet individual subject requirements.
- All students study 3 subjects.
- To study 4 subjects students need an **Average Point Score of 7** from full GCSE's only.

Level 3 BTEC

4 GCSE's (or equivalent) at Grade 9-4 or merit in vocational courses.
Grade 4+ in English or Maths.
Plus meet individual subject requirements.

Science A Levels

Students who wish to study more than one science A level must show a strong academic record with an **Average Point Score of 6+**. (Biology / Chemistry / Physics / Maths).

Qualification Type	Subject	Entry Requirements	Additional Information
SCIENCE & MATHEMATICS			
A	Mathematics	GCSE Grade 7+ Maths	
A	Further Mathematics	GCSE Maths 8+ and expectation of an additional maths course at a high grade (Statistics/Add maths)	
A	Biology	GCSE Grade 6+ Biology and 5+ Maths & English or 5+ Combined Science	
A	Chemistry	GCSE Grade 6+ Chemistry and 6+ Maths or 5+ Combined Science	
A	Physics	GCSE Grade 6+ Physics and 6+ Maths or 5+ Combined Science	
BTEC Level 3	Applied Science	GCSE Combined Science 5:5 or 5 in two Sciences	Single Award or Double
BUSINESS EDUCATION			
A	Economics	GCSE English 6+ (OR 6+ in a Humanities) Maths 6 (Economics 6 if taken)	
BTEC Level 3	Business	GCSE Grade English 4+ or L2 Pass in Business	
ART, TECHNOLOGY & ENGINEERING			
A	Art & Design	GCSE Grade English 4+, Art 5+	
A	Design & Technology/ Product Design	GCSE Grade English & Maths 5+	
A	Drama	GCSE Drama 4+ OR GCSE English 5+	Double or Single Award
BTEC Level 3	Engineering	English or Maths at 4+ or L2 Pass Engineering	

	Subject	Entry Requirements	Additional Information
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ICT			
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A	Computer Science	GCSE Maths 7+ OR GCSE Computer Science 6+, English 6	
BTEC Level 3	Information Technology	GCSE English 4+ or L2 Pass DIT	Extended Certificate

PHYSICAL EDUCATION			
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A	PE	GCSE Grade English, Science, PE 5+	Must be competing in one sport
BTEC Level 3	Sport	GCSE Grade English 4+ plus BTEC Sport Pass	Extended Certificate

ENGLISH & HUMANITIES			
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A	English Literature	GCSE Literature & Languages 6+	
A	Geography	GCSE English 5+, GCSE Maths 5+, GCSE Geography 5+ OR A GCSE in a Humanities 5+	
A	History	GCSE English 5+ GCSE History 5+ OR A GCSE in a Humanities 5+	
A	Media studies	GCSE Grade English 5+	

SOCIAL SCIENCES			
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A	Psychology	GCSE Grade English & Maths 5+	
A	Sociology	GCSE Grade English 5+ or 6+ in a Humanities	

These are the courses currently on offer – however we do have the capacity to offer further subjects. Please indicate on the application form if there is a subject you are interested in that isn't listed.

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Careers - Weekly Lessons

5

Destinations:

Over 80% of University applicants attend a wide range of universities including Russel Group and other prestigious universities. Recently a growing number of students apply for a broad range of apprenticeships. STEM related degrees are popular and is a key component of many courses pursued at university and apprenticeships.

Format:

Bespoke curriculum for all learners. Targeted, comprehensive support for all students including assistance with university applications, apprenticeships, employment, coupled with independent careers, information advice and guidance. All students have access to the Unifrog platform.

Questions?

- What am I doing?
- Is this the right course for me?
- What do I do next?
- What skills do I have?
- Do I have the right skills for the next stage in my life?
- Shall I go to university or get a job or an apprenticeship?
- How do I apply for all the above?

Careers sessions take place daily during registration so it is important that you attend every morning. In addition to this, tailored personal statement preparation and writing takes place during PSHE sessions.

Assessment:

- Completion of necessary forms including UCAS and Apprenticeship applications
- Personal Statement continuous review
- Interviews for Jobs/Apprenticeships and Universities
- Taking necessary entry requirement test Medical School and Dentistry UKCAT BMAT Medical tests and LNAT Law Tests
- Oxbridge interview Preparation and entry tests including essays and IQ Tests
- Apprenticeship interview preparation/IQ/ Bespoke industry tests at Test centres
- Student Finance eligibility online application

Skills you will gain:

Research, planning, communication, reflective, emotional intelligence thinking and the ability to apply your understanding of information, knowledge and understanding to make informed choices. You will develop skills of literacy, numeracy, Independent learning, develop self-awareness and become a more rounded individual.

Career Paths:

Students investigate and research all possible careers over a two year period, this is supported with one to one interviews. Work experience is encouraged, CVs, letters of application, online testing, and interview skills enhanced and encouraged. Networking and employment related workshops are provided to enhance career capital

Please note:

Careers supports all subjects in helping learners to explore opportunities through information advice and guidance about the next steps in their lives.

A-LEVEL Qualifications

Art & Design - AQA

Art and design provides those that question the world around them with a platform in which to express their ideas and opinions.

Students will learn to develop their ideas through investigation with an analytical and critical process, refining their work through experimentation of media and techniques.

Art will give you the skills to solve problems via creative means, constantly questioning and pushing the boundaries of both traditional and contemporary processes.

What you will study:

- Recording ideas and observations through various drawing materials and photography.
- Explore, select and experiment with a varied amount of media, materials, and techniques. Reflect critically on work and progress.
- Investigate art and art movements through time to present day, analysing and evaluating critically.
- Develop a personal and meaningful response that realises intentions.

Career Paths:

Graphic Design, Digital Media Communications, Architecture, Web design, Game design, Illustration, Fashion and Textile design.

Entry Requirements:

GCSE English 4+

GCSE Art 5+

Assessment:

Coursework (60%): an in-depth project and personal study completed over the two years to create a large and varied portfolio of work.

Externally set assignment (40%): a shorter project set by AQA over 12 weeks.

Skills you will gain:

Creativity, problem solving, knowledge and skills of techniques and processes, interpretation, evaluation and analysis, methods of development and refinement.

Please note:

Specific trips for Art students. Visits to galleries and museums. Visit to an area of London to record and photograph for project work. Possible artist led workshops.



A-LEVEL Qualifications

Biology - OCR

Biology is the study of how things work on a cellular level. Biology underpins large parts of our life; from how and why organisms function to effective management of the environment for humanity.

Within the breadth of Biology A-level students will learn about life processes, genetics and microbiology, whilst developing a range of transferable skills in practical techniques, conceptual problem solving and application in wider environmental fields.

What you will study:

Paper 1: Biological processes

Paper 2: Biological diversity

Paper 3: Unified Biology

Career Paths:

Healthcare; doctor, dentist, nursing, pharmacy, physiotherapy, Researcher; drugs, genetics, Nutritionist, Science communicator, Teacher, Forensic investigator.

Entry Requirements:

GCSE 6+ Biology /Combined Science & 5+ Maths & English

Assessment

The course is assessed using two 100 mark papers (1&2) and one 70 mark paper (3). The larger papers involve multiple choice and extended answer questions. The 3rd paper focuses on synthesis of concepts and skills.

A practical endorsement will also be undertaken. This has no committed marks to the overall grade but is widely required for university applications.

Skills you will gain:

Students will develop skills in literacy, numeracy, application, analysis, evaluation and problem solving. Additionally, students will develop skills in practical technique and research as part of their practical endorsement.

Please note:

Biology is complemented by Chemistry, PE and Psychology, and is a strong supporting subject for an application to medical studies.



A-LEVEL Qualifications

Chemistry - OCR

Chemistry is the study of how things work on a molecular level. Chemistry underpins large parts of our life; from how and why certain chemicals should and should not mix to designing medicines to cure diseases and improve our quality of life.

Within the breadth of Chemistry A-level students will learn about organic, inorganic and physical chemistry, whilst developing a range of transferable skills in practical techniques, conceptual problem solving and mathematical analysis.

What you will study:

Paper 1: Periodic table, equilibria and elements

Paper 2: Organic synthesis and analysis

Paper 3: Unified Chemistry

Career Paths:

Chemistry is excellent preparation for careers in medicine, dentistry, veterinary medicine and health care professions, It is also valued in accountancy, administration, banking and civil service.

Entry Requirements:

GCSE Chemistry 6 or Combined Science 6-5, Maths 6, GCSE English 5+

Assessment

The course is assessed using two 100 mark papers (1&2) and one 70 mark paper (3). The larger papers involve multiple choice and extended answer questions. The 3rd paper focuses on synthesis of concepts and skills.

A practical endorsement will also be undertaken. This has no committed marks to the overall grade but is widely required for university applications.

Skills you will gain:

Students will develop skills in literacy, numeracy, application, analysis, evaluation and problem solving. Additionally, students will develop skills in practical technique and research as part of their practical endorsement.

Please note:

Studying one other Science subject alongside Chemistry is highly beneficial and essential study for an application for medical studies. Whilst it is not necessary to study Maths A level alongside, you will need very good mathematical skills to thrive in Chemistry.



A-LEVEL Qualifications

Computer Science - AQA

Computers have transformed our lives over the last 30 years. It started with the introduction of PCs into most homes and more recently the internet and social media have revolutionised communication and the way information has spread across the world. This subject covers both theoretical concepts of Computers Science such as how information is stored and processed as well as practical aspects for the design and creation of computer software.

What you will study:

Paper 1: Programming, data structure, algorithms theory of computation.

Paper 2: Data representation, computer systems, communication and networking, computer organisation and architecture, consequences of uses of computers, big data.

Coursework: Students solve or investigate a practical problem. Students will be expected to follow a systematic approach to problem solving.

Career Paths:

Software engineer, IT consultant, Project manager, Systems analyst, Systems developer, Cyber Security, Web developer, Network engineer.

Entry Requirements:

GCSE Maths 7+ OR GCSE Computer Science 6+ English 6

Assessment

The course is assessed using two 100 mark papers (1&2) and one 70 mark paper (3). The larger papers involve multiple choice and extended answer questions. The 3rd paper focuses on synthesis of concepts and skills.

A practical endorsement will also be undertaken. This has no committed marks to the overall grade but is widely required for university applications.

Skills you will gain:

Creative, innovative, analytical, logical and critical thinking, problem solving, project and time management.

Please note:

You will need access to Python IDLE. Students are encouraged to program for fun using online Python tutorials:

- <https://pythonschool.net/>
- <https://www.learnpython.org/>
- <https://www.codecademy.com/learn/learn-python>



A-LEVEL Qualifications

Design Technology Product Design - Edexcel

Students will learn to recognise design needs and develop an understanding of how current global issues, including integrating technology, impacts on today's world. Students learn core technical and designing and making principles, in the context of either fashion and textiles or product design developing additional specialist knowledge in relation to students' chosen area.

What you will study:

Component 1: Principles of Design and Technology.

Component 2: Independent Design and Make Project. In component 2, students will undertake a substantial design and make and evaluate a project which will test learners' skills in designing and making a prototype. They are also required to individually and in consultation with a client/end user, identify a design possibility independently.

Career Paths:

Architecture, Engineering, Product / Industrial Design, Interior / Theatre & Stage Design, Graphics & Fashion Design, Marketing and Advertising, Carpentry, Antiques restoration.

Entry Requirements:

GCSE English 5+ GCSE Maths 6+ and GCSE DT 5+

Assessment

Component 1: (externally assessed examination): 50% of the A level.

Component 2: (coursework): 50% of the A level

Skills you will gain:

Students will develop their knowledge and understanding of a range of modern design and manufacturing practices and contemporary design issues. They will focus on the design process and build confidence in their ability to 'design and make' in response to a range of realistic design challenges.

Please note:

There will be a 30 day probationary period at the start of the course.



A-LEVEL Qualifications

Drama - AQA

With the ever-changing world, Drama has never been more important as a tool for self-exploration and expression.

Students will learn to develop their skills through a combination of theory and practical work whilst exploring, analysing and performing both professional work and their own creations.

The main focus of this course is practical exploration with the addition of written work for exam.

What you will study:

Component 1: Written exam exploring how two set texts are constructed considering the social, cultural and historical context. Live theatre review exploring how a professional production has achieved its aims.

Component 2: Creating original drama from a stimulus.

Component 3: Applying practitioner techniques to scripted performance.

Career Paths:

In the field; actor, director, designer, writer, practitioner, YouTuber, presenter.

Supports with; teacher, doctor, lawyer, business management etc.

Entry Requirements:

GCSE Drama 4+ or

GCSE English 5+

Assessment:

Component 1: Written paper 40%

Component 2: Internally assessed performance and rehearsal notebook 30%

Component 3: Externally assessed scripted performance and reflective report 30%

Skills you will gain:

Creativity, problem solving, confidence, textual analysis, public speaking, appreciation of social and cultural contexts, decision making, evaluative skills, analytical thinking.

Please note:

Due to the number of transferrable skills, many universities (including Russel Group) select students that have a Drama A-Level over other candidates for many courses – not just Drama
There will be several opportunities for theatre visits through this course.



A-LEVEL Qualifications

Economics - AQA

A level Economics is divided into two parts: Microeconomics and Macroeconomics. Microeconomics explores the concept of an ideal free market economy, based on perfect competition, and compares it with the complexity and inefficiency of real modern market phenomena. Macroeconomics looks at economics from a national point of view and explores themes such as inequality, unemployment and immigration, economic growth and trade/budget deficits. Economics A level also explores themes in behavioural economics.

What you will study:

Paper 1: Markets & Market Failure

Paper 2: National & International Economy

Paper 3: Economic Principles & Issues

Career Paths:

Investment Banking, Accountant, Lawyer
Government Advisor, Teaching, Stock Broker
Financial Advisor, Actuary.

Entry Requirements:

GCSE English 6+ (OR 6+ in a Humanities) Maths 6
(Economics 6 if taken)

Assessment:

The course is assessed through three 2-hour examination papers in Year 13. Each paper is of equal weighting and contains a mixture of short answer and extended writing questions.

Skills you will gain:

A Level Economics shows you have the ability to analyse and understand economic subjects, as well as having a sound financial knowledge and essay-writing skills.

Please note:

Economics supports other subjects such as Psychology, Sociology, Business Studies, Geography, History and Government and Politics.



A-LEVEL Qualifications

English Literature B - AQA

Study of texts within the chosen literary and cultural genres in the examined topic areas is enhanced by the study of critical theory in the non-exam assessment. Students can gain a solid understanding of how texts can be connected and how they can be interpreted in multiple ways so that students can arrive at their own interpretations and become confident autonomous readers. The specification encourages the exploration of texts in different ways:

- the study of texts within specific genres,
- the study of texts through engagement with a range of theoretical ideas.

What you will study:

Component 1: Written exam exploring how two set texts are constructed considering the social, cultural and historical context. Live theatre review exploring how a professional production has achieved its aims.

Component 2: Creating original drama from a stimulus.

Component 3: Applying practitioner techniques to scripted performance.

Career Paths:

In the field; actor, director, designer, writer, practitioner, YouTuber, presenter.

Supports with; teacher, doctor, lawyer, business management etc.

Entry Requirements:

GCSE Drama 4+ or

GCSE English 5+ and one other subject 5+

Assessment:

Component 1: Written paper 40%

Component 2: Internally assessed performance and rehearsal notebook 30%

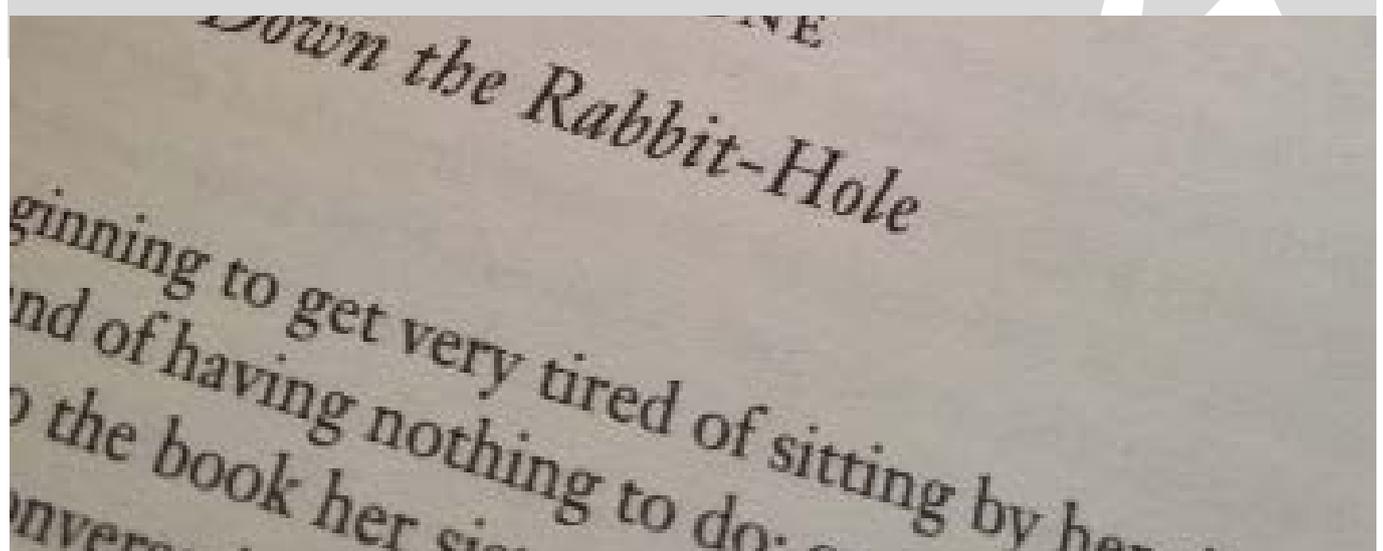
Component 3: Externally assessed scripted performance and reflective report 30%

Skills you will gain:

Creativity, problem solving, confidence, textual analysis, public speaking, appreciation of social and cultural contexts, decision making, evaluative skills, analytical thinking.

Please note:

English Literature is a highly regarded A level that can take you on almost any course of study. It is an obvious choice for English degree courses but is also an excellent option for those considering arts and humanities subjects, languages, business and law. It is not a creative writing course.



A-LEVEL Qualifications

Further Mathematics - Edexcel

Further Maths is a course that not only requires a great deal of application but also a real desire to study some challenging mathematics. It is held in very high regard by all universities and can prove to be a great differentiator when applying to the most prestigious ones.

What you will study:

Further Maths students complete 6 additional modules

Core Pure 1&2 - Complex numbers, Argand diagrams, Series, Roots of Polynomials, Volumes of revolution, Proof, Matrices and Linear transformations, Vectors, Number theory, Recurrence relations, Integration techniques.

Further Statistics 1 - Discrete Random variables, Poisson distributions, Binomial distributions, Central limit Theorem, Hypothesis testing.

Decision Maths 1- Algorithms, Graphs and Networks, Route inspection, Linear programming, Critical Path analysis.

Career Paths:

Students who are considering taking degrees with a significant mathematical content, such as engineering, software development and any of the sciences will benefit greatly from taking Further Maths. Employers are looking for people who can think logically, analyse any situation rigorously and then make rational decisions

Entry Requirements:

GCSE Maths 8+ and expectation of an additional maths course at a high grade (Statistics/Add maths)

Assessment

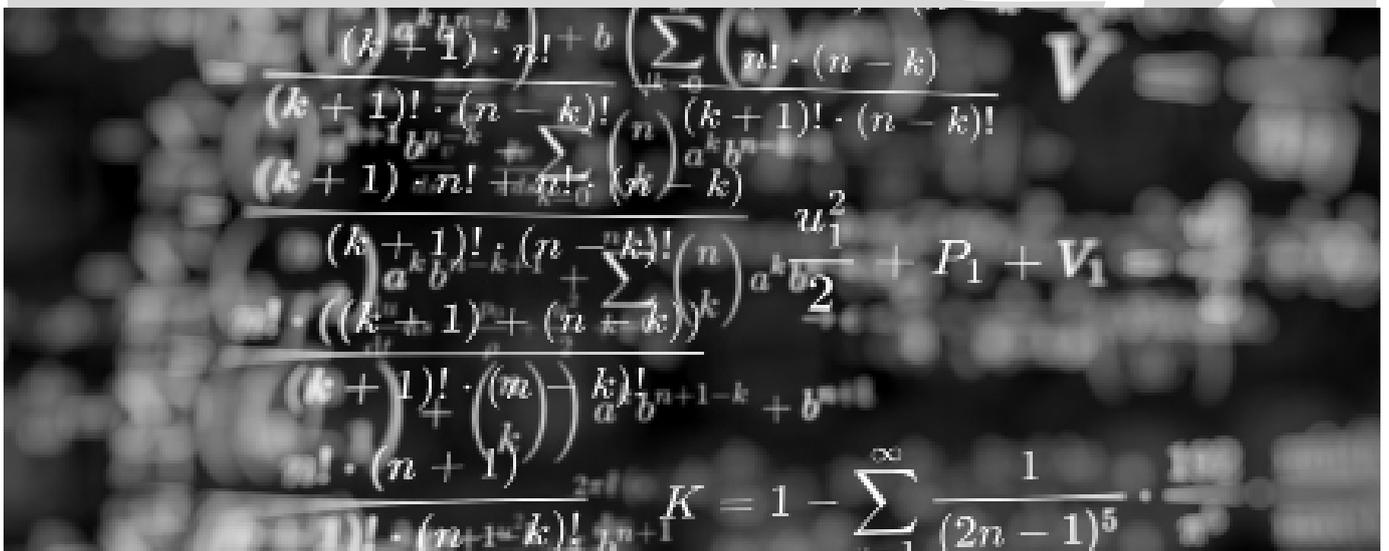
There will be an internal assessment at the end of Year 12. Students must pass this in order to continue to Year 13. Students are assessed by 4 examinations at the end of Year 13. Each of these will be two hours long. Paper 1 and 2 will contain only pure maths content. Paper 3 and 4 will focus on the mechanics and decision maths work studied.

Skills you will gain:

A broad exposure to extended problem solving. This is the primary skill that the best universities are looking for in their undergraduate mathematicians and we focus on it when dealing with the different topics on the course.

Please note:

Due to the very difficult nature of this course, we strongly advise work to be completed in the summer holidays before the course begins in September.



A-LEVEL Qualifications

Geography- Edexcel

Geography is the study of places and the relationships between people and their environments. Geographers explore both the physical properties of Earth's surface and the human societies spread across it. They also examine how human culture interacts with the natural environment, and the way that locations and places can have an impact on people.

What you will study:

Paper 1: Tectonics, Coastal landscapes, Globalisation, Regenerating Places.

Paper 2: Superpowers, The Water Cycle and Energy security, The carbon cycle, Migration and identity.

Paper 3: A synoptic skills based paper.

Paper 4: Independent coursework.

Assessment

The course is assessed through three 2 hours and 15 minutes examination papers in Year 13. Paper 1 and paper 2 are worth 30% each. Paper 3 is worth 20%. They contain a mixture of short answer and extended writing questions. There is also a piece of coursework which is completed by the May in Year 13 and is worth 20%.

Career Paths:

Cartographer, Environmental consultant, Town planner, Geographical information systems officer, Conservation officer, Recycling officer, Landscape architect, Teacher/lecturer.

Skills you will gain:

Geography is a multi-skilled subject bringing together science and humanities. You will develop skills of literacy, numeracy especially statistical methods, application of knowledge, analysis, evaluation and critical thinking. You will learn quantitative and qualitative research skills.

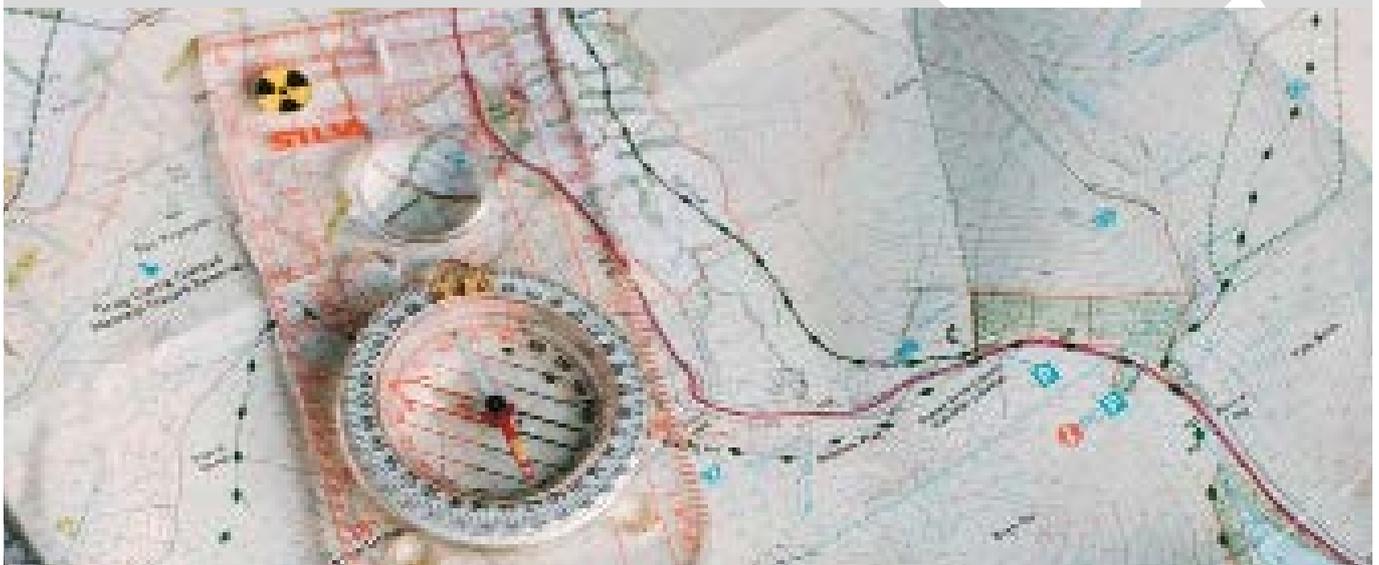
Entry Requirements:

GCSE English 5+, GCSE Maths 5+ and GCSE Geography 5+ OR A GCSE in a Humanities 5+

Please note:

There will be four days of field work, two in Year 12 and two in Year 13.

Geography is an enabling subject and therefore is rated highly by universities as students develop a vast range of skills.



A-LEVEL Qualifications

History - Edexcel

Studying history helps students to understand the significance of historical events, the role of individuals in history and the nature of change over time. It will help you to gain a deeper understanding of the past through political, social, economic and cultural perspectives.

In particular you will gain an understanding of:

- The nature of causes and consequences, of change and continuity and of similarity and differences over a long period of time,
- The links between perspectives, such as political, economic, social or religious.
- The role played by individuals, groups, ideas or ideology.

What you will study:

Paper 1: In search of the American Dream: the USA, c1917–96. Focus on the dramatic political, economic, and social transformation of the USA in the twentieth century.

Paper 2: South Africa, 1948–94: from apartheid state to 'rainbow nation'. Explore how South Africa changed from an apartheid state into a multi-racial democracy.

Paper 3: Rebellion and disorder under the Tudors, 1485–1603. Focus on the ways in which Tudor monarchs kept order over a divided country for over a century, with key rebellions and plots explored in detail.

Coursework: Develop skills in the analysis and evaluation of interpretations of history focusing on a chosen question, problem, or issue

Career Paths:

Law, Journalism, Academia, NGOs: Charities and think tanks, Civil Service, Politician, Political advisor.

Entry Requirements:

GCSE English 5+ GCSE History 5+ OR A GCSE in a Humanities 5+

Assessment

Paper 1: The examination lasts 2 hours 15 minutes and is marked out of 60.

Paper 2: The examination lasts 1 hour 30 minutes and is marked out of 40.

Paper 3: Themes in breadth with aspects in depth: The examination lasts 2 hours 15 minutes and is marked out of 60.

Coursework: Students carry out an independently researched enquiry requiring them to analyse and evaluate historical interpretations and to organise and communicate the findings (AO3, AO1).

The assignment is set by the centre on a question, problem or issue that has generated disagreement among historians

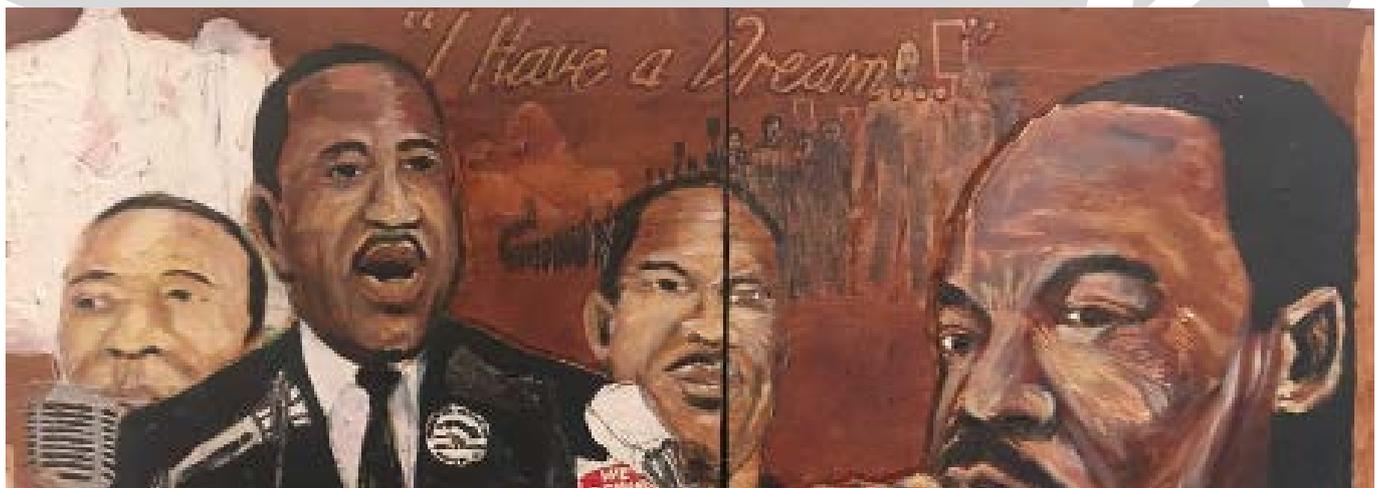
The assignment is marked out of 40

Skills you will gain:

Analysis, Evaluation, Communication, Research, Prioritisation, Source Skills.

Please note:

History is well known as a rigorous and academically important subject and is very respected by universities in applications.



A-LEVEL Qualifications

Mathematics - Edexcel

The Maths A Level is a highly demanding course and for those who have a conscientious attitude and the desire to work independently, it is extremely rewarding. All students will take an entrance exam in the first week to confirm their suitability for the course. It is vital that students have a hardworking attitude to succeed on this course as the content is much more demanding than at GCSE and the pace is relatively quick.

What you will study:

Paper 1: Pure Mathematics (2hour exam)
Proof, Algebra and functions, Coordinate geometry in the (x, y) plane, Sequences and series, Trigonometry, Exponentials and logarithms, Differentiation, Integration, Vectors

Paper 2: Statistics and Mechanics (1 hour 15 minutes exam)

Section A: Statistics - Statistical sampling, Data presentation and interpretation, Probability, Statistical distributions, Statistical hypothesis testing

Section B: Mechanics - Quantities and units in mechanics, Kinematics, Forces and Newton's laws

Career Paths:

A good grade at A level opens many potential degrees and subsequent careers including engineering, investment banking, programming and IT, systems analysis, doctor/dentistry.

Entry Requirements:

GCSE 7+ Maths

Assessment

There will be an internal assessment at the end of Year 12. Students must pass this in order to continue to Year 13. Students are assessed by three examinations at the end of Year 13. Each of these will be two hours long. Paper 1 and 2 will contain only pure maths content. Paper 3 will contain a mixture of mechanics and statistics.

Skills you will gain:

A wide range of mathematical techniques used in maths, science and engineering degrees, experience of thinking creatively when faced with new and unusual problems, a rigorous approach to communicating mathematically.

Please note:

Further Maths can only be taken by students also studying A level mathematics.



A-LEVEL Qualifications

Media Studies - OCR

Media Studies could be considered one of the most relevant subjects for anyone to study in the modern context. It covers all areas of the media, which have increasing influence over every aspect of contemporary life. The ability to decode messages in advertising, news or film, an understanding of how social media can be beneficial to an industry, or the artistic ability to create an interesting and imaginative music video are all amongst the many skills fostered through the study of this subject.

What you will study:

Component 01, Media Messages: The study of news, media language and representation. Students will explore language and representation through an analysis of magazines, advertising and music videos. *Component 02, Evolving Media:* The relationship between audiences and institutions through the study of radio, video games and the film industry. An in-depth study of the evolving, global nature of television. *Component 03, Making Media (Coursework):* A cross-media project focussed on either magazines or music videos. Students will undertake research into both the print or moving image content of their chosen area, along with any online or social media content.

Career Paths:

Journalist, Cameraman, Film Critic, Advertising & Marketing Creatives, Music Video Director, Policy Advisor.

Entry Requirements:

GCSE English 5+

Assessment:

Two x 2 hour exams: 70% of final grade combined.
Coursework: 30% of final grade.

Skills you will gain:

Students will gain knowledge of all aspects of media from newspapers through to video games. They will be able to deconstruct media texts of any type and have the necessary knowledge and skills to create professional standard media texts of their own.

Please note:

Recently we have taken students on trips to the BFI and the D&AD Advertising Festival. Some students have enrolled in a scheme called Future Creatives, working with advertising and marketing professionals. There is no analysis of film content in this specification.



A-LEVEL Qualifications

Physical Education - OCR

PE is a relevant and interesting subject for anyone with an interest in sport. It is an exciting course which broadens your understanding of sport on a number of different levels. You will develop your knowledge of the human body and how it reacts to the demands of sport. You will develop and extend your knowledge about the performer in action. You will develop an understanding of skill acquisition and the psychology of sport. It follows on from the level two, GCSE course.

What you will study:

Paper 1: Applied Anatomy & Physiology, Biomechanics, Exercise physiology (2 hours, 30%).

Paper 2: Skill acquisition & Psychology (1 hour, 20%).

Paper 3: Social cultural issues in sport (1 hour, 20%)

Performance in physical education (30%).

Career Paths:

Teaching, Journalist, Psychologist, Data analyst, Statistician, Sportswear / equipment designer, Sports Physiologist, Sports development & coaching, Nutrition/Health.

Entry Requirements:

GCSE English 5+ GCSE Science 5+ and GCSE PE 5+

Assessment

Three external examinations at the end of Year 13. Students will be assessed in one sport of their choice. A practical moderation will take place during the second year of study.

Skills you will gain:

Analytical skills in comparing theories and techniques. Observation skills based on tactics and strategies. Research and independent investigation into studies. Presentation and group work.

Please note:

It is essential that you are competing or performing for a club / team outside of the College. You will need to keep video evidence of your performances over a two year period.



A-LEVEL Qualifications

Physics - OCR

Physics is the study of how things work. Physics underpins all parts of our life; from how we can watch our favourite TV programmes to why our car or the bus can take us to school or work. Within the breadth of Physics A-level students will learn about the forces, phenomena and energy of actions and objects, whilst developing a range of transferable skills in practical techniques, conceptual problem solving and mathematical analysis.

What you will study:

Paper 1: Modelling Physics (Mechanics) Paper 2: Exploring Physics (Electromagnetism, Waves, Medical and Quantum Physics) Paper 3: Unified Physics

Career Paths:

Engineering, Research scientist (CERN), Power industry (nuclear or renewable), Finance.

Entry Requirements:

GCSE Physics 6+/Combined Science 6-5, GCSE Maths 6+ and GCSE English 5+

Assessment:

Three external examinations at the end of Year 13. Students will be assessed in one sport of their choice. A practical moderation will take place during the second year of study.

Skills you will gain:

Students will develop skills in literacy, numeracy, application, analysis, evaluation and problem solving. Additionally, students will develop skills in practical technique and research as part of their practical endorsement.

Please note:

The mathematical demand of physics is very high and is strongly supported by the study of mathematics. Additionally, Physics is seen as a strong supporting subject to Chemistry for an application for medical studies.

Orbital angular momentum (classical & Q.M. L)
$$L^2 = l(l+1)\hbar^2$$

Isotope shift
$$v = \frac{cR_\infty M}{M+m} \left(\frac{1}{n_1^2} - \frac{1}{n_2^2} \right)$$

Absorption spectra
$$I = I_0 e^{-\mu x}$$

NUCLEAR PHYSICS

Bainbridge mass spectrometer
$$q = qV$$

Transformation ratios
$$N(t) = N_0 e^{-\lambda t}$$

Half life
$$T_{1/2} = \frac{\log_e 2}{\lambda} = \frac{0.693}{\lambda}$$

Mean life time
$$\bar{t} = \int_0^{\infty} \frac{t dN}{N_0}$$

$$\bar{t} = \frac{1}{\lambda}$$

Multistage decays
$$N_2(t) = \frac{N_0(t) \lambda_1}{\lambda_2 - \lambda_1} (e^{-\lambda_1 t} - e^{-\lambda_2 t})$$

α -decay
Energy released
$$E_0 = T_\alpha \left(1 + \frac{M_\alpha}{M_{\text{res}}} \right)$$

Stability against

A-LEVEL Qualifications

Sociology - AQA

How are relationships, bullying, and 'screen time' associated with children's well-being? Is the use of media and the 'dark web' responsible for increases in crime? Why do most of the top jobs in society go to students who have been educated at private schools and Oxbridge?

Sociology is the systematic study of society and human behaviour. Sociology is an exciting and lively subject. It encourages you to question some of the ways in which society is organised and to realise that things are not always what they seem.

What you will study:

Paper 1: Education with Theory & Methods

Paper 2: Topics in Sociology - Families & Households and Beliefs in Society

Paper 3: Crime & Deviance with Theory & Methods

Assessment:

The course is assessed through three 2-hour examination papers in Year 13.

Each paper is of equal weighting and contains a mixture of short answer and extended writing questions.

Career Paths:

Journalism, Management, Criminology, Law
Social work, Healthcare, Teaching.

Skills you will gain:

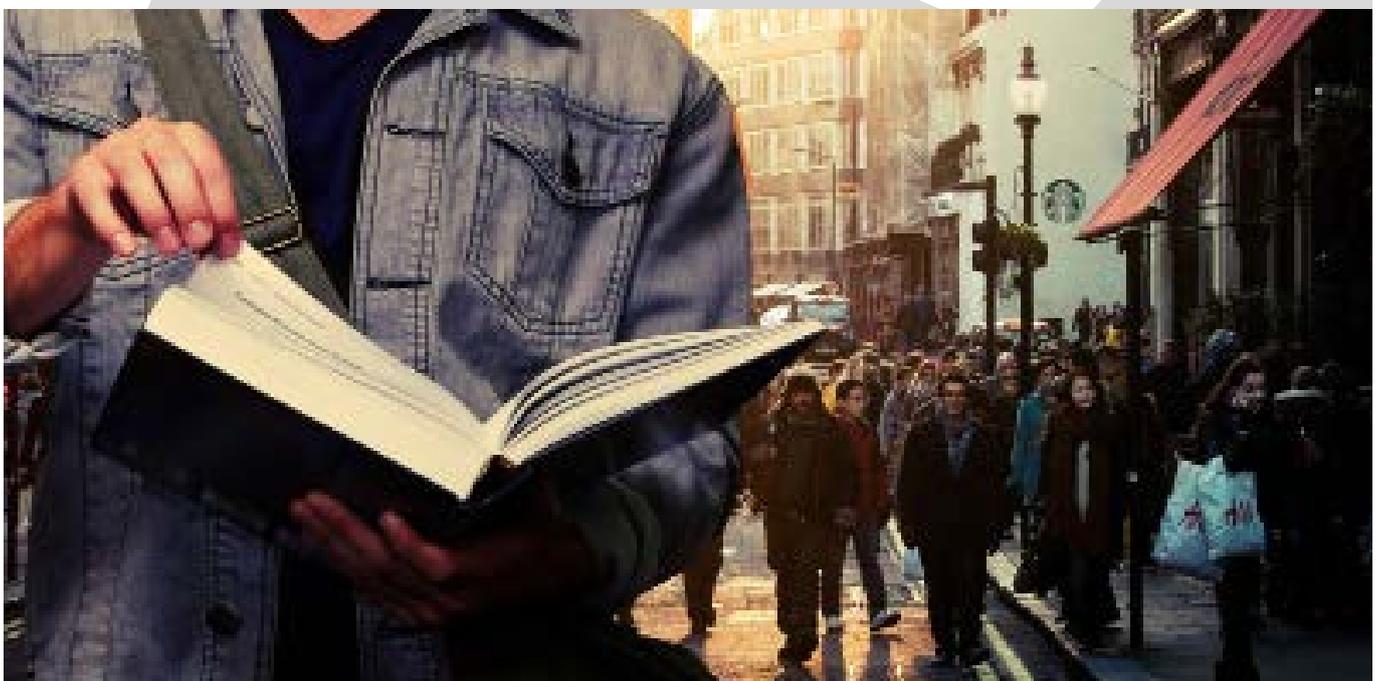
Sociology is a research based subject, grounded in scientific and non-scientific method. You will develop skills of literacy, numeracy, application, analysis, evaluation & critical thinking. You will learn quantitative and qualitative research skills.

Entry Requirements:

GCSE grade 5+
in English or
6+ in a Humanities

Please note:

Sociology supports other Social Science subjects such as Psychology, Economics, Business Studies, Government & Politics and Law.



BTEC Level 3 Qualifications

Applied Science - Edexcel Pearson Level 3

On this two year course students will gain an understanding of key aspects of practical and research science. This course is the equivalent to one, two or three A level and is held in high regard by employers, FE colleges and universities alike. The course looks at the all the main strands of Science, allowing students to develop a broad understanding of higher level scientific processes and analysis. Students will also learn to effectively research, report and present on scientific ideas. The subject is a mix of independent and group learning, teacher led activities and practical investigative work.

What you will study:

Extended Certificate (50:50 examination: coursework)

- Unit 1 Principles of Science examination
- Unit 2 Practical Science techniques
- Unit 3 Science investigation skills examination
- Unit 12 Disease and Infection

Career Paths:

Laboratory technician, Optometrist, Pharmacist
Radiologist, Medical scientist.

Qualification weight:

Extended Certificate (single) OR Diploma (double)

Entry Requirements:

GCSE Combined Science (or 2 sciences) 5:5 GCSE
Maths 4+

Assessment

This course has a variety of assessment forms, including project work and examination. The weighting of these is indicated above.

Skills you will gain:

Students will gain skills in researching, reporting and presenting, alongside developing practical and investigative scientific techniques. Holistically students will develop as effective time managers with impressive organisational skills and confident communicators.

Please note:

The BTEC course requires a committed and hard-working student who is prepared to meet deadlines and communicate effectively.



BTEC Level 3 Qualifications

Business - Pearson BTEC Level 3 National Diploma

This qualification is equivalent to 1 A Level. Pearson BTEC Level 3 National Diploma in Business is designed to be substantive part of a 16–19 study programme for learners who want a strong core of sector study. Students may study another level 3 vocational subject or A Levels to support progression to higher education courses. This qualification can also be used to progress to Higher Apprenticeships.

What you will study:

You will study 8 units of which 6 are mandatory and 2 are chosen with 3 being externally assessed. The mandatory units are:

Exploring Business, Developing a Marketing Campaign, Personal and Business Finance, Managing an Event, International Business, and Principles of Management.

Learners will have the opportunity to choose two units from a selection of options to supplement the mandatory units which reflect the key topics in business: marketing, business environments, international business, management, finance.

Career Paths:

Investment Banking, Accountant, Government, Advisor, Teaching, Stock Broker, Financial Advisor, Business Manager, Administrator

Qualification weight:

Extended Certificate (single) OR Diploma (double)

Entry Requirements:

English or Maths at 4+ or L2 Pass Business

Assessment

The course is assessed through a combination of coursework assignments and external examinations.

Units are assessed using a grading scale of Distinction (D), Merit (M), Pass (P), Near Pass (N) and Unclassified (U). The grade of Near Pass is used for externally-assessed units only.

Skills you will gain:

Learners practice in developing employability skills in the following three main categories: cognitive and problem-solving skills, intrapersonal skills and interpersonal skills. BTEC National Diploma also provides a vocational context in which learners can develop the knowledge and skills required for degree courses, including effective writing, analytical skills, creative development and preparation for assessment methods used in degrees.

Please note:

Business supports other subjects such as Economics, Psychology, Sociology, Geography, History & Politics.



BTEC Level 3 Qualifications

Engineering - Edexcel Extended Diploma

Engineering is the designing, testing and building of machines, structures and processes using maths and science. It is all about problem solving. Our built environment and infrastructure, the devices we use to communicate, the processes that manufacture our medicines, have all been designed, assembled or managed by an engineer.

What you will study:

Unit 1: Engineering principles; Unit 2: Engineering processes; Unit 3: Product design & manufacture; Unit 4: Commercial & quality principles; Unit 5: Engineering project; Unit 6: Microcontroller systems; Unit 7: Calculus; Unit 8: Further mathematics; Unit 10: Computer aided design; Unit 19: Electronic devices; Unit 20: Analogue circuits; Unit 26: Static mechanical principles; Unit 27: Mechanical behaviour of materials; Unit 30: Mechanical measurement & inspection; Unit 40: Computer aided manufacturing & planning.

Career Paths:

Investment Banking, Accountant, Government, Advisor, Teaching, Stock Broker, Financial Advisor, Business Manager, Administrator

Qualification weight:

Extended Certificate (single) OR Diploma (double)

Entry Requirements:

English or Maths at 4+ or L2 Pass Engineering

Assessment

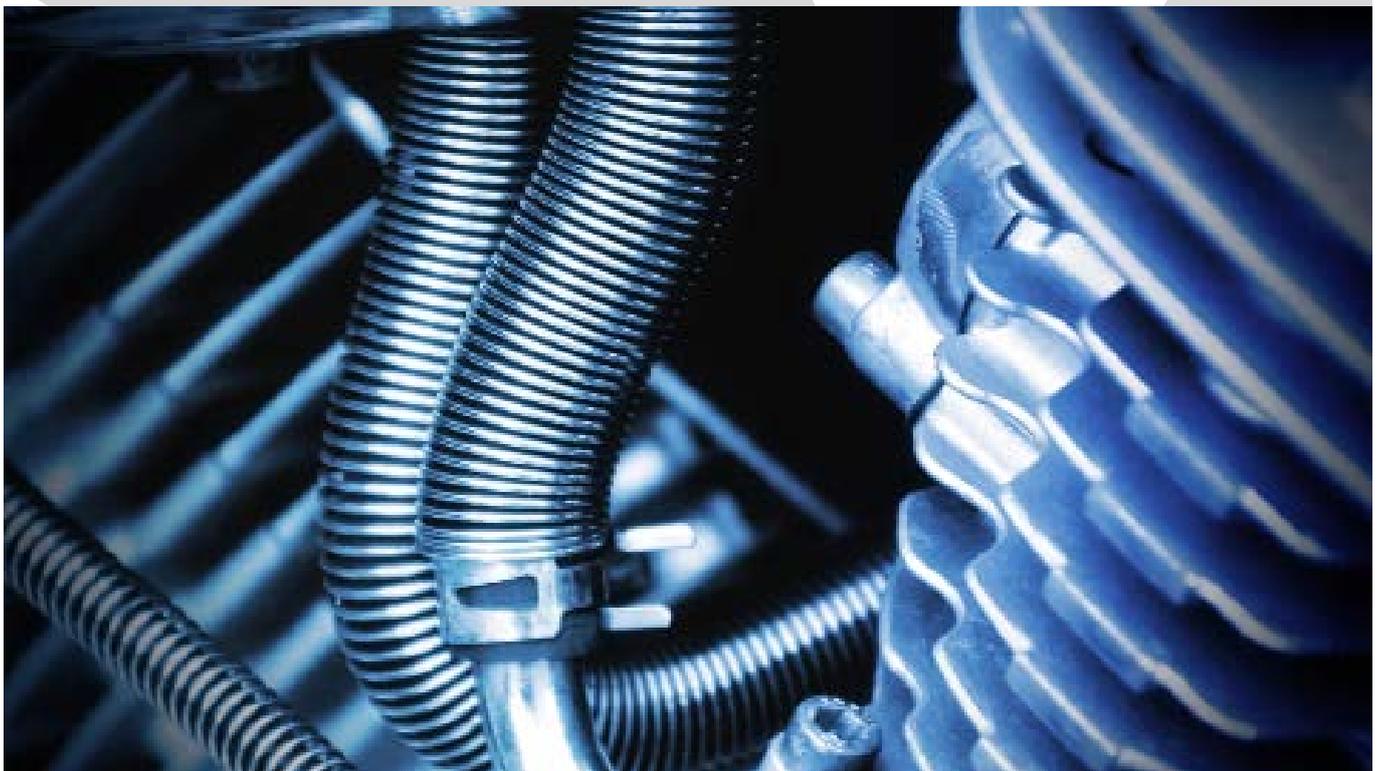
Assessment is by a combination of externally assessed controlled assessment tasks (Units 1, 3 & 6) and internally set assignments (all other units) studied over 2 years. In order to complete a unit, submitted work will need to demonstrate achievement against a range of outcomes.

Skills you will gain:

Engineering as a discipline relies on research and investigation as well as communication and creative thinking. You will develop skills of literacy, numeracy, application, analysis, evaluation & critical thinking. You will learn computer aided design and computer coding.

Please note:

Business supports other subjects such as Economics, Psychology, Sociology, Geography, History & Politics.



BTEC Level 3 Qualifications

Sport - Edexcel Level 3

Level 3 BTEC Sport is an Applied General qualification for post-16 learners who want to continue their education through applied learning and who aim to progress to higher education and ultimately to employment in the sport sector. The content of this qualification has been developed in consultation with academics, employers and professional bodies to confirm that the content is appropriate and consistent with current practice for learners who may choose to enter employment directly in the sport sector.

What you will study:

Extended Certificate – single award (4 units)

Students will study three mandatory units:

Unit 1: Anatomy and Physiology

Unit 2: Fitness Training and Programming for Health, Sport and Well-being

Unit 3: Professional Development in the Sports Industry. Students will also choose one optional unit.

Diploma – Double Award (9 units)

In addition to the 3 mandatory units above, students will study three additional mandatory units:

Unit 4: Sports Leadership

Unit 22: Investigating Business in Sport

Unit 23: Skills acquisition in sport

Students will also choose three optional units.

Career Paths:

Sportswear / equipment designer, Sports physiologist, Sports development and coaching, Gym attendant, Life guard, Personal Trainer

Assessment

The course is delivered over two years. There is a mix of internally assessed coursework and externally assessed exams.

Extended Certificate - 2 external assessments

Students will be asked to produce presentations, reports and diaries as evidence of completed work.

Skills you will gain:

Analytical skills in comparing theories and techniques. Observation skills based on tactics and strategies. Research and independent investigation into studies. Presentation and group work.

Qualification weight:

Extended Certificate

Entry Requirements:

GCSE English 4+ &
Sport Level 2 Pass



GCSE Qualifications

GCSE English Language - AQA

The English Language GCSE retake involved:

- A reading examination
- A writing examination
- A speaking and listening endorsement

This class is offered to students who have a grade 3 or below in English Language GCSE.

You will have two lessons a week in English and there is a November and June exam series.

Who should take the course:

Students working towards gaining a GCSE qualification in English Language for the first time or those with a grade 3 or below at GCSE. The course is NOT designed for those who already have a grade 4 or higher in GCSE English Language.

Why take this course:

The course helps students to develop their communication and literacy skills, which are crucial in many areas of life.

Gaining a GCSE in English Language is an important requirement for many other courses at college and university and is highly regarded by employers.

GCSE Mathematics - Edexcel

This is a GCSE resit class. This is offered to all students who do not achieve a grade 4 or above in their summer exam.

You will have one lesson a week and you will resit the exam in the summer.

Who should take the course:

Students working towards gaining a GCSE qualification in mathematics for the first time or those with a grade 3 or below at GCSE. The course is NOT designed for those who already have a grade 4 or higher in GCSE Mathematics.

Why take this course:

The course helps students to develop their numeracy skills, which are crucial in many areas of life.

Gaining a GCSE in mathematics is an important requirement for many other courses at college and university and is highly regarded by employers.

TIPS FOR CHOOSING THE RIGHT COURSE

- 1 Check the entry requirements - is this realistic for you?
- 2 Choose a course you will enjoy, not because your friends have chosen it
- 3 Choose a course you will be successful at
- 4 Look at www.ucas.co.uk and search for any special requirements for university courses
- 5 Look at apprenticeships.com to see if any apprenticeships require anything specific
- 6 Find out all the assessment methods. Do they fit your skills?
- 7 Speak to subject staff or the Sixth Form Team
- 8 Be aware that, for most courses all you need is three good grades to secure a university place
- 9 Medicine at university is for the best of the best, some courses require an additional test e.g. BMAT, LNAT, UKCAT
- 10 All courses require a minimum of five hours study outside of lessons per week. There are NO easy Level 3 Courses!

***The school website holds a great deal of information at
www.ernestbevinacademy.org.uk***

**For a future
without limits**
Ernest Bevin Sixth Form



Respect, opportunity, happiness, resilience, tolerance

Ernest Bevin Academy

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