Bosworth Independent College

SIXTH FORM OPTIONS

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WHY BOSWORTH?

Why Bosworth?

- We have consistently **outstanding A-level results.** In 2019 we achieved:
  A*/A **30%** A*-B **63%** A*-C **87%**
- A-levels are a globally recognised qualification.
- Teaching in small groups; our **average class** size for Year 12 and 13 is **8 students.**
- High quality teaching; all of our teachers are **subject specialists.**
- A choice of A-level and BTEC pathways to suit your strengths and ambitions.
- A wide range of subjects with maximum flexibility over combinations of subjects, allowing you to create your own pathway.
- A team of specialist personal tutors in both years to support your studies and **give advice.**
- Enrichment and development opportunities; Leadership Awards, Student Council, Student Ambassador and Peer Counsellor schemes plus a wide range of activities to promote your personal development.
- Support for completing an Extended Project Qualification (EPQ) alongside A-levels.
- An experienced team to support UCAS applications, including applications to **Oxbridge, Medicine and other high-tariff subjects.**
- Many years of experience in applying to **overseas universities.**
- Proven track record of supporting students into university and apprenticeships.
- **61%** of Bosworth's applicants achieved a place at a **top 30 UK university** in 2019.

BTEC

Our BTEC programme is a good alternative to the A-level route to Higher Education. It is ideal for students who prefer to complete modular assignments. Each assignment over the two years is graded, and this mark counts towards the final grade. Students also take four exams over the two-year course.

Entry requirements:
3 GCSEs at grade 4 (C) or above.

BTEC qualifications are recognised by 95% of UK universities. In some circumstances, students can study an A-level or complete an EPQ alongside their BTEC course to maximise their UCAS Tariff points.

Over 100,000 BTEC students apply to UK universities every year and BTEC Nationals are accepted by over 150 UK universities and Higher Education Institutes for relevant degree programmes either on their own or in combination with A-levels.

We currently offer the following BTEC courses; Level 3 BTEC (National) Extended Diploma, Diploma and a Foundation Diploma in Business.

How is the course assessed?
BTEC courses are currently assessed on a continuous assessment basis. The Course Tutor provides students with a number of assignments to complete each module, typically 2 or 3. These assignments allow students to display their knowledge to a Pass, Merit or Distinction Level. These assignments are marked by the Course Tutor and moderated/verified by an Internal Verifier at Bosworth. There is also additional provision for the Qualification provider to verify the grading externally.

University Progression:
Leading pathways from the BTEC Business Course include: Economics, Business Management, Entrepreneurship, Human Resource Management, Advertising, Marketing, Accounting & Finance, International Business, Politics, Retail Management, Travel & Tourism, and Hotel Management/Hospitality. All students receive extensive counselling about which institution and course would be their best choice.

Core Modules	Further Modules
Exploring Business	Investigating Customer Service
Developing a Marketing Campaign	Team Building in Business
Personal and Business Finance	Recruitment & Selection Process
Managing an Event	The English Legal System
International Business	Market Research
Principles of Management	Training and Development
Business Decision Making	

A-LEVEL OVERVIEW

This is a two-year course which leads to students taking exams at the end of Year 13. The majority of students at Bosworth also take GCE Advanced Subsidiary (AS) exams at the end of Year 12. Entry requirements: 5 GCSEs with a minimum grade 6 (grade B) for the subjects taken through to A-level, however for Maths we require a grade 7 and usually a grade 8 for Further Maths.

Typically, native speakers of English take 3 or 4 subjects in Year 12. Depending on their AS level results, they will continue with either 3 or 4 subjects into the second year as full A-levels (GCE Advanced Level). In certain circumstances, students can also choose to add an extra AS level in their second year.

Students who are not native speakers of English may choose to take IELTS (International English Language Testing System) alongside their 3 subject choices. Each week students will have assessed homework. There is also regular exam-style testing and a mock examination to ensure students are on track, and to inform our advice for improvement.

Subjects currently on offer

(This can change subject to demand)

- Accounting
- Art & Design
- Biology
- Business Studies
- Chemistry
- Computer Science
- Economics
- English Language
- English Literature
- French (MFL)*
- Geography
- German (MFL)*
- Graphic Communication
- History
- Mathematics
- Further Mathematics
- Music
- Philosophy
- Photography
- Physics
- Politics
- Psychology
- Sociology
- Spanish (MFL)*
- Textile Design

*Listed as MFL = Modern Foreign Languages later in this booklet

ACCOUNTING

Course details:

A qualification in Accounting is always helpful – whether it is used professionally or personally.

This course helps students to understand the responsibilities of the accountant and the impact of their recommendations on the business and the wider environment.

Students build a knowledge and understanding of concepts and techniques that they can apply to real-life situations; developing the ability to solve problems logically, analyse data methodically, make reasoned choices and communicate effectively. These are excellent transferable skills.

As a student of Accounting it would be beneficial to have a reasonable level of English comprehension, as well as knowledge of GCSE level Mathematics. However, this is not a maths-based subject. Students will be expected to write extended prose answers, based on both financial and non-financial factors, with marks awarded for the quality of their responses.

In year 1 students investigate the recording of financial information to the production of profit (or losses) on the final accounts of a sole trader. Also examined will be the accounts of Limited Companies, decision-making using marginal costing, the construction of budgets and ratio analysis.

The AS exam will include:

- 10 multiple choice questions
- 4 structured questions requiring both calculations and written answers
- 2 extended essay answer questions

The second year builds on the work already learnt and includes dealing with partnerships, the construction of incomplete records, absorption and standard costing and deciding on future investments. We will also explore the impact of ethical considerations on business behaviour.

If further study is undertaken and success is achieved, a very lucrative career path awaits.

ART & DESIGN

Course details:

The WJEC Eduqas A-level exam is a demanding course and students must be prepared to work hard in order to cover the Portfolio component in their first year and a further two components of work in the second year. It is recommended that students taking the Art & Design AS and A-level should have studied Art at GCSE and achieved a Grade 5/6 or equivalent.

Students must have a genuine interest in and a commitment to the subject. Students need to spend considerable time outside formal lessons researching, developing ideas and producing studies. Homework is set weekly and regular deadlines are set. There is a written element to the course, so students should be prepared to analyse and evaluate their own work, and those of the artists they study.

Students will choose a topic of personal interest for AS Component 1: Coursework Portfolio – Personal Creative Enquiry.

The emphasis of this component will be on the development of the understanding of various materials, processes and techniques. Students will produce a portfolio (a sketchbook) of work over the year which supports their Final Piece; the outcome of their investigations. Both the portfolio of work and the Final Piece are assessed for the overall grade.

The A-Level in the following year comprises of two components.

- **Component 1** is a personal investigation; a practical investigation supported by written work.
- **Component 2** is an externally-set assignment; students are required to select a topic from a series of written and visual stimuli provided by the Awarding Body (exam board), to be used as starting points.

Where does it lead?

A-level Art is a valued subject as an entrance qualification for UK universities. It is important for those hoping to follow degree courses in either Fine or Applied Arts including courses in painting, printmaking, sculpture, graphic design including advertising, scientific and technical illustration, information graphics and print technology, three-dimensional design including industrial design, furniture design, ceramics, interior design, theatre design, fashion and textiles, film, photography and television.

Art is also valuable for a number of indirectly related careers such as Architecture, Museum Work, Arts Administration, Exhibition Research and Teaching as well as preparing students for vocational practical courses after A-levels.

ART & DESIGN
(Graphic Communication, Photography & Textiles)

Course details:

As with Art and Design, students will need to produce a portfolio of work which supports their Final Piece, the outcome of their studies. There is a written element to the course so students should be prepared to analyse and evaluate their own work, and those of the photographers, designers and artists they study. The exam board places emphasis on basic drawings skills (such as creating small sketches, studies and storyboards to illustrate ideas) which must be demonstrated for all endorsements. Some lessons (studio lessons) will be taught with other Art and Design students, with specific subject lessons for individual endorsements.

Photography

This option covers a broad and changing area of study with light-based imagery spanning almost two centuries.

Learners might engage with early light-based images and rudimentary technology, such as a pinhole camera, as well as the most contemporary, which may include the use of digital cameras, video camcorders, photocopiers, scanners and mobile phones. They may also work exclusively with film based or digital technology or with both. Outcomes can be screen or print based, comprise still or moving images and might be discrete to the subject area or combined with other art forms.

Graphic Communication

Graphic Communication may be defined as the process by which ideas are communicated through the use of symbols, drawings, photographs and typography to convey concepts and/or emotions. This option encompasses a wide and developing area of study, incorporating a variety of related disciplines and utilising traditional skills, such as calligraphy and hand-formed lettering, alongside cutting-edge digital technologies.

Boundaries between related graphic processes are becoming increasingly blurred but aspects, such as advertising, packaging design, computer games, web and multimedia design, illustration and typography, provide an indication of what might be covered within the option.

Graphic Communication may also be closely associated with animation, architecture, photography and design for print. Outcomes can be two and three dimensional, and can take the form of posters, brochures, flyers, T-shirts, CD/DVD sleeves, book covers, magazine spreads, calendars, stamps, packaging, publicity materials, vehicle livery, billboards, advertising, logos, branding, corporate identity, and three dimensional point-of-sale and exhibition design.

Textiles

Textile Design encompasses a very broad range of materials, techniques and processes, including a growing number of interdisciplinary approaches. These comprise woven, embroidered, knitted, printed, painted, dyed, manipulated, embellished and constructional methods which are utilised to produce a great variety of textile outcomes that include costume and fashion design, accessories and body adornment. The range is increasing as new materials and technologies emerge.

BIOLOGY

Course details:

A Subject for Life

All living organisms are made of cells and if you are interested in how cells work and why living organisms are the way they are, then Biology is for you. We were all a single cell once and that cell had to gain energy, grow and divide; we share this with all other organisms. The study of Biology is relevant to our lives today and in the future. We are in a world which needs people with the skills that you acquire when you train as a biologist. The knowledge of how DNA works to control cells (gene expression) is fundamental to Biology and impacts on innovative cancer treatments, for instance.

Entry Requirements

A good grounding in Biology is essential – preferably a 6 or 7 at GCSE. The best preparation would be a separate GCSE in Biology rather than Combined Science. You will also need to be competent in Mathematics and Chemistry also. You can combine Biology with any subjects but you will find that studying Chemistry will help you in particular. You need to have a good level of English, both written and spoken. You should have a curiosity about the subject and the ability to think for yourself.

Course Content

The specification we follow is the AQA Syllabus. In accordance with College policy, ALL students will be entered for AS, regardless of whether or not they intend to follow the A-level course for the full two years.

AS Level (Year 1):

1. Biological molecules **2.** Cells **3.** Organisms exchange substances with their environment **4.** Genetic information, variation and relationships between organisms

A-level content (Year 2):

5. Energy transfers in and between organisms **6.** Organisms respond to changes in their internal and external environments **7.** Genetics, populations, evolution and ecosystems **8.** The control of gene expression

Practical Assessment:

There is no internal assessment that leads to marks that contribute towards the AS or A-level grades. Instead, practical work is assessed in the written papers at the end of AS/A-level. A separate 'endorsement' of practical work is assessed by teachers which is not graded. A pass will be recorded on a candidate's exam certificate. Full assessment details are on the website www.bosworthcollege.com/course/a-level-biology/

Where does it lead?

Past students have gone on to study many different degree courses. These include Pharmacy, Medicine, Biomedical Science, Dental Technology, Dentistry, Law, Psychology, Chemical Engineering, Chemistry, Accounting and Finance. The list is very varied and reflects the fact that Biology is a valued A-level that leads to the development of a critical, analytical approach to information by students who can present their conclusions coherently.

BUSINESS STUDIES

Course details:

Business at Bosworth Independent School is designed to create the business leaders and managers of the future. Learning the concepts and techniques will equip students with the skills to get the best grade possible. Business is a study of the modern world and how producers and consumers interact. The course investigates how one business can gain an advantage over another in the market battlefield.

Exam Board Edexcel Specification 9BS0

What is covered?

Theme 1: Marketing and People (Year 12)
Theme 2: Managing Business Activities (Year 12)
Theme 3: Business Decisions and Strategy (Year 13)
Theme 4: Global Business (Year 13)

A characteristic of A-level Business is that it draws upon evidence and examples from the real world. There is ample opportunity to explore existing businesses and find out what makes them successful. Students also learn why businesses have failed.

What Skills are required?

GCSE Maths and English, both at grade 4 or above, will be necessary.
A keen interest in Business is also a great advantage. Many students study Business across the world. As a popular subject, the competition for exciting and fulfilling jobs is intense. You need to work hard to stand out.

Where will A-level Business take me?

Business is what we call an 'Open Option Subject'. All industries need business minds and commercial skills. Careers in music, drama, television and sports are available to individuals with a good, sound grasp of commerce. This is alongside other rewarding careers in industry, travel and education. One ex-Bosworth Business pupil is now a famous lifestyle and fashion vlogger.

CHEMISTRY

Course details:

At Bosworth Chemistry is a well-established subject, intended for students who have studied Chemistry in their GCSE Course. Through a combination of practical and theoretical investigation, the course provides a platform in the basic principles that underpin Chemistry and applies them to the world and its resources. It develops practical and analytical skills and provides opportunities for research into and evaluation of existing theories and techniques. In short, Chemistry at A-level is stimulating, challenging, satisfying and fun.

Entry Requirements

A good grounding in Chemistry and Maths is essential - at least a grade 6 or above at GCSE level - along with a lively curiosity and an active imagination. We strongly recommend grade 7 or above grade in order to achieve the highest results. The course is intellectually stimulating and yet demanding. Students are expected to have a high level of motivation and self-discipline, plus the ability to work independently. Homework is set regularly in the form of experimental reports, research, essays, self-study units and exam questions.

Examination Board AQA

The qualification is linear with examinations occurring at the end of AS and A-level.

Course Content

In Year 1 students study Physical Chemistry (structure, bonding, energetics, calculations from equations, kinetics, equilibria and redox); Inorganic Chemistry (periodicity, Group 2, and Group 7); and Organic Chemistry (Alkanes, Alkenes, Halogenoalkanes, Alcohols and Organic Analysis).

In Year 2 students study Physical Chemistry (Thermodynamics, Rate equations, Equilbrium constants, Electrochemistry and Acids and Bases); Inorganic Chemistry (Periodic Properties - Period 3), Transition Metals and Aqueous Ion Reactions); and Organic Chemistry (Optical Isomerism, Compounds with Carbonyl groups, Aromatic chemistry, Amines, Polymers, Amino Acids, Proteins, DNA, Organic Synthesis, and NMR spectroscopy).

AS (Year 1) is assessed with two written theory examination papers, taken in June, involving long and short answer questions, as well as multiple choice questions. Students carry out relevant practical work throughout the course. Relevant practical skills are assessed in both written papers. AS Level: 2 written papers, 90 minutes each.

A-level (Year 2) Chemistry is assessed with three written examination papers, taken in June, at the end of the two years of study. They involve short and long answer questions as well as multiple choice questions. During the two years, practical and investigation skills are assessed both in general and through specific tasks. A-level: 3 written papers, 120 minutes each. There are 12 required practicals to complete to a satisfactory standard in order to achieve a pass in the practical skills endorsement.

Where will it lead?

It can lead to a career in science or any science-related occupation. The ability to demonstrate analytical and scientific thinking will be of value in many other career paths. Chemistry is helpful for researchers, engineers, doctors, veterinary surgeons, geneticists, pharmacists, pharmacologists - the list is endless.

COMPUTER SCIENCE

Course details:

You will learn to program in VB net. Your course work can be in any programming language of your choice.

Course Content

The AS course covers the following topics: fundamentals of programming, fundamentals of data structures, systematic approaches to problem solving theory of computation, fundamentals of data representation, fundamentals of computer systems, fundamentals of computer organisation and architecture, consequences of uses of computing and fundamentals of communication and networking.

In general you will learn to differentiate between different data types. You will become familiar with the three combining principles (sequence, iteration/ repetition and selection/choice) which are basic to all imperative programming languages. You will be familiar with arithmetic operations in programming such as addition, subtraction and integer division. You will learn about subroutines, procedures and functions and be able to explain the advantages of using subroutines in programs.

You will learn how to use Boolean logic such as NOT, AND, OR and XOR. You will learn how to use constants and variables in programming, and how to apply them in your program and the differences between different data structures, such as arrays and records. You will know the theory of a project or system life-cycle and be able to apply the steps in your practical work. You will be able to express the solution to a simple problem as an algorithm using pseudo-code.

The A-level course covers the following topics:

- Relational databases and functional programming, the theory of computation, the consequences of uses of computing, Big Data, the systematic approach to problem solving
- Non-exam assessment – the computing practical project

You will:

- Expand your existing knowledge of programming at a higher level as well as study object-oriented programming
- Learn relational databases design and implementation techniques
- Be familiar with the structure and use of Turing machines that perform simple computations and computational maths
- Have an understanding and knowledge of the basic internal components of a computer system and the role of the processor
- Have the opportunity to learn truth tables, logic gates, Boolean algebra and binary
- Understand network architecture and topologies, plus communication methods and data transmission. Internet security will be also dealt with among other network issues
- Learn classification of software programs

Where does it lead?

There is a shortage of programmers in the UK; therefore the possibilities are great for students with a degree in Computer Science in this country and abroad. Apart from the field of programming you may find opportunities in networking and computer architecture. The study of Computer Science promotes logical thinking and is often enjoyed by linguists and classicists as well as mathematicians.

ECONOMICS

Course details:

Economics at Bosworth Independent School is designed to create the leading analytical minds of the next generation. Bosworth pupils will leave, not only with the skills and techniques to ace their exams, but also a firm grounding in an increasingly lucrative career.

Exam Board Edexcel Specification 9ECO

What is covered?

- **Theme 1:** Markets and Market Failure (Year 12)
- **Theme 2:** The UK Economy (Year 12)
- **Theme 3:** Business Behaviour & The Labour Market (Year 13)
- **Theme 4:** Global Perspective (Year 13)

A-level Economics, particularly the Edexcel Board, will test the logical processing skills of the students. They will learn to think clearly and quickly. They will sharpen their mathematical skills and apply them to real life situations. This will enable the student to truly value their academic studies. There is also ample time to debate current issues and we will develop in our students, the ability to see current arguments from a multitude of viewpoints.

What Skills Do You Need?

GCSE Maths and English, both at grade 4 or above, will be necessary.

A keen interest in the Economy is also a great advantage, including an awareness of current affairs. Economics is a demanding A-level but it is also rewarding and is well respected by the top UK universities.

Where will A-level Economics take me?

Economics is what we call an 'Open Option Subject'. All industries need analytical minds and commercial skills. Careers in music, drama, television and sports are open to you as an individual with a good, sound grasp of commerce. This is alongside other rewarding careers in banking, finance, entrepreneurship, business, management, law, politics, industry, travel and education. As a numerate subject, the skills are highly transferable and open doors to universities and employment alike.

ENGLISH LANGUAGE

Course details:

AQA English Language

At Bosworth, English Language students explore ways of analysing texts and spoken interaction systematically using new frameworks of technical terminology. This is developed against a background of linguistic theory covering a range of topics: Gender, Dialect and Accent, Political Correctness and Social Values, amongst others. Students will also study the Acquisition and Development of Children's Language, the History and Diversity of English Language, along with the social and cultural influences that cause it to change. Students do not spend time looking at 'set texts' but, instead, focus on everyday language and interaction in a variety of forms.

Students have usually studied English at GCSE and achieved a grade 5/6 or above.

Lessons involve both individual and group work, so students are expected to be actively involved in discussion and even lead debates on occasion.

There are two written examinations:

- **Paper 1:** Language and the Individual: Students explore methods of language analysis, along with textual variations and representations. Paper 1 is a written exam lasting 1 hour and 30 minutes.
- **Paper 2:** Language Varieties: Students again explore methods of language analysis, assessing language diversity and demonstrating writing skills. Paper 2 is a written exam lasting 1 hour and 30 minutes.

After AS, the course continues with the study of children's language acquisition and language change, as well as a coursework component that requires one piece of independent creative writing and another piece containing a language investigation.

Studying English Language can be challenging but it is also immensely rewarding. It not only provides students with a widely respected A-level but is an enjoyable experience that enriches their minds. This subject combines well with others such as Psychology, Law, Sociology, History, Media, Modern Foreign Languages, Business, Economics and even Computer Science.

ENGLISH LITERATURE

Course details:

AQA English Literature B

At Bosworth, English Literature involves the consideration and exploration of many areas of student interest and experience: love, loneliness, prejudice, bravery and perseverance to name but a few. The course covers a variety and range of modern and historical prose, poetry and drama texts. Students will develop the key skills of critical thinking, close analysis and structuring responses.

Students have usually studied English Literature at GCSE and achieved a grade 5/6 or above.

Students need to be open-minded and willing to listen to and discuss the opinions of their peers. In addition, a willingness to 'read around' texts is essential.

At AS level, students study Literary Genres with a focus on Aspects of Comedy.

There are two written examinations:

- **Paper 1:** Literary Genres: Drama: Students study one Shakespeare text, currently 'The Taming of the Shrew', and one other drama text, currently 'The Importance of Being Earnest' by Oscar Wilde. Paper 1 is a written exam lasting 1 hour and 30 minutes.
- **Paper 2:** Literary Genres: Prose and Poetry: Students study one prose text, currently 'Small Island' by Andrea Levy, and a selection of poetry from the AQA poetry anthology. Paper 2 is a written exam lasting 1 hour and 30 minutes.

After AS, the course continues with the study of texts within the genre of Crime Writing, as well as a coursework component that requires independent reading and the study of literary theory.

English Literature combines well with Modern Foreign Languages, Psychology, Sociology, History, Politics, Economics and Business Studies. It can lead to a degree in Law, Politics, Psychology or almost any other area, and is even popular as a fourth choice for those studying Medicine, providing vital evidence of an ability to empathise.

GEOGRAPHY

Course details:

At Bosworth A-level Geography looks at a wide range of physical and human aspects of the subject. A good grounding in Geography is essential with preferably a grade 5/6 or above at GCSE. It will help if you are competent in Mathematics and English as well since Geography involves the analysis of data and writing reports and arguments. Most importantly though, you should be interested in the world around you and the changing nature of its Geography.

The specification we follow is the AQA Syllabus and in accordance with College policy, you are entered for the AS, regardless of whether or you intend to follow the A-level course for the full two years.

At AS we do the following examinations:

- A 90-minute Paper on Physical Geography
- A 90-minute paper on Human Geography and Geographical Techniques

The physical geography part of the course explores the management and impact of a range of hazards, such as earthquakes, volcanoes, tsunamis, hurricanes and wildfires. We then move on to look at coastal geography and the way the sea shapes landscapes and the way in which these changes are managed.

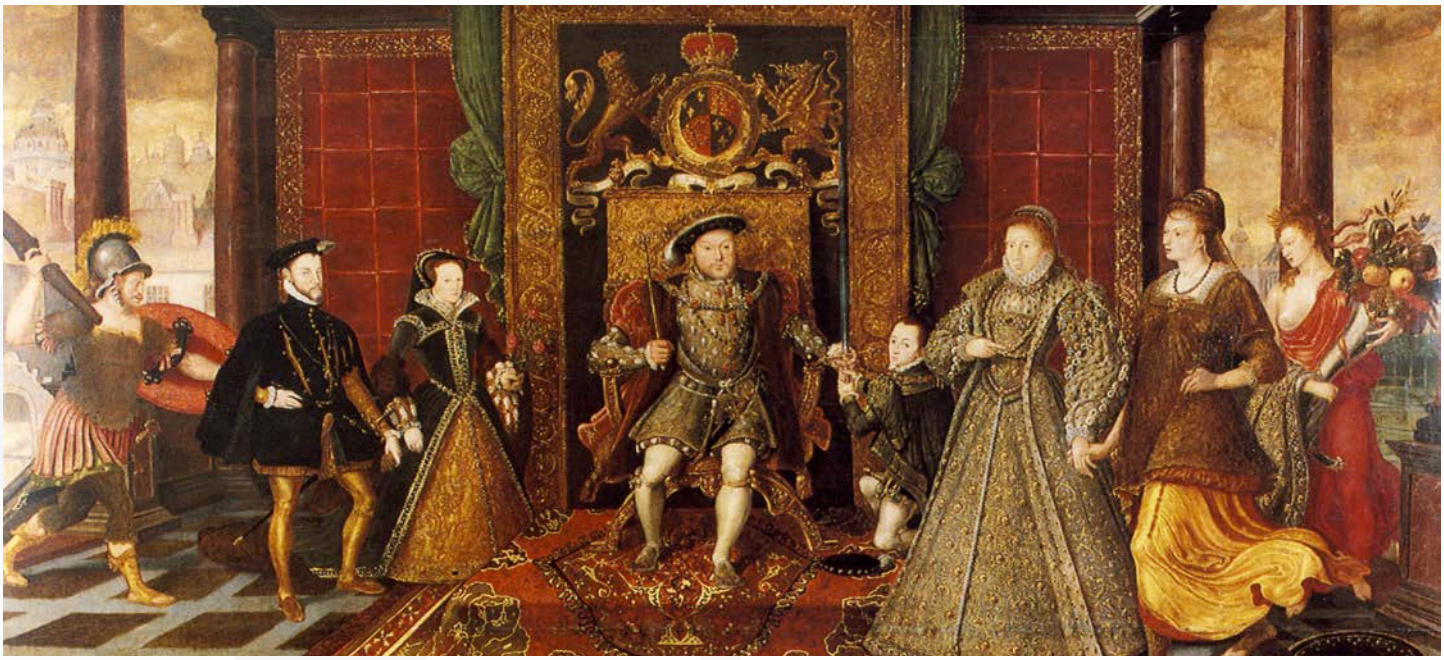
In the human geography part of the course you look at how people look at and use places and what makes places different from each other in terms of their cultures, populations and environments. You also study how we collect, analyse and present data. This includes fieldwork both locally and further afield on the Norfolk Coastline, where you get a chance to test theories and see if they work in the 'real' world.

The course is demanding but very fulfilling if you follow what is asked of you. Homework consists of a mixture of written assignments and investigations including analysis and case studies. As with any subject, you will need to be prepared to learn new terms and study hard.

After AS, the course continues with a look at the carbon and water cycles in physical geography and studies on globalisation and global governance and population and the environment in human geography. You will also have to complete a fieldwork investigation which counts towards your A-level grade.

Geography is a well-regarded subject by universities and employers. It can be studied as a science or a humanity and goes well with a variety of other A-level subjects including Economics, English, Biology and History and Politics. Careers in Geography are very varied including, environmental management, logistics, tourism, marketing, criminology and town planning.

HISTORY



Course details:

Exam Board: AQA.

At Bosworth, the A-level History course offers a Breadth Study: The Tudors: 1485-1603 and a Depth Study: Democracy and Nazism: Germany, 1918–1945.

The AS History course is assessed by two 90-minute exams where students are required to answer two questions (one from Section A and one from Section B).

Unit 1C: The Tudors (1485-1547) focuses on the consolidation of the Tudor Dynasty under Henry VII and Henry VIII.

Students explore how Henry VII acquired and secured the English throne; how he consolidated his dynasty through foreign policy, his relationship with the English nobility and the methods he employed to strengthen the English economy. Comparisons are then drawn between father and son in terms of dynastic security, character and personality before students move onto discover the prominent figures guiding Henry VIII (his chief ministers - Cardinal Wolsey and Thomas Cromwell in particular), the Reformation and Henry VIII's quest for a son to secure the Tudor succession.

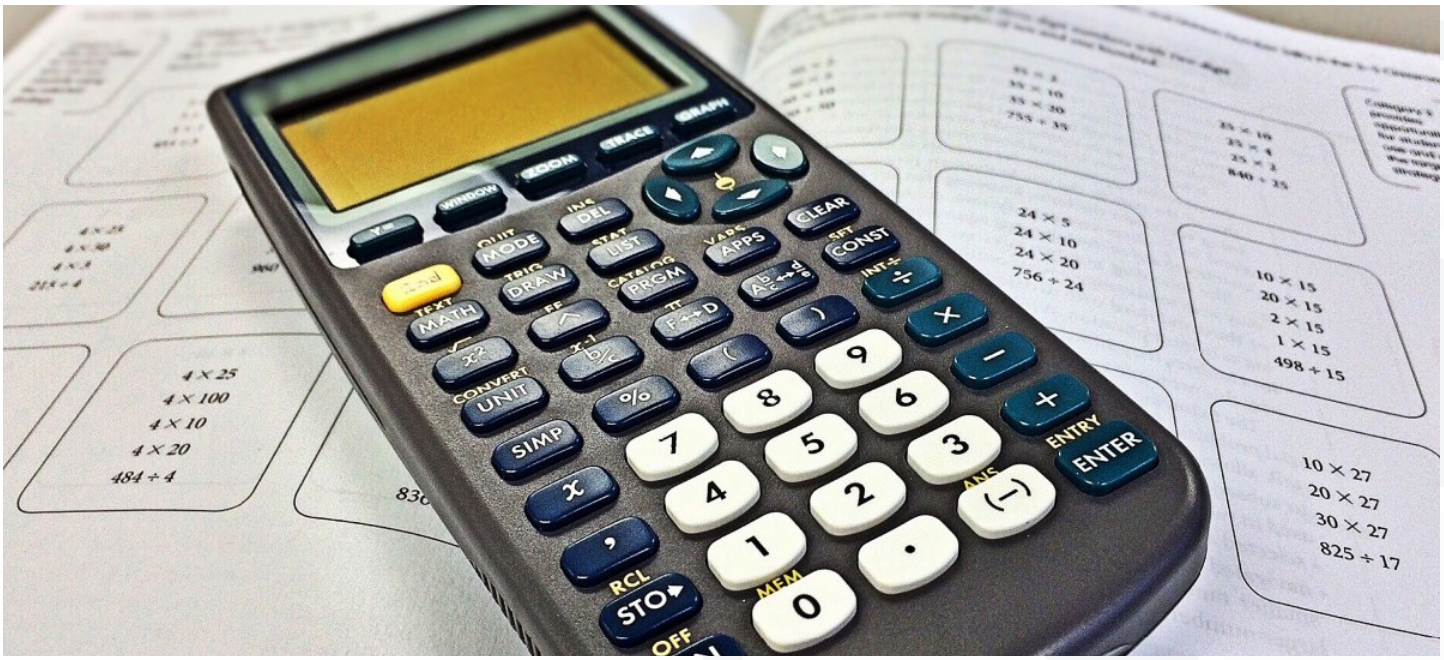
Unit 2O: This option provides for the study of a period of German history during which a newly-developed democratic form of government gave way to a dictatorial Nazi regime. At AS, students explore the Weimar Republic, 1918–1933: The Establishment and early years of Weimar, 1918–1924, The 'Golden Age' of the Weimar Republic, 1924–1928 and The Collapse of Democracy, 1928–1933.

After AS, the course continues to A-level. The same Breadth and Depth units are taught: 1C: The Tudors (1547-1603) and 2O: Democracy and Nazism: 1933-1945. The exams are similar in format but two essay questions from Section B are required (instead of 1 at AS) and the time is lengthened to 150 minutes. The A-level also requires students to complete a Non-Examined Assessment (the NEA) of a historical period of their choosing. Currently, our students have chosen to research Russian history e.g. the causes of the 1917 Revolution.

A-level History is a demanding course. Wider reading around the subject is required to attain the higher grades. Good literacy skills (reading, extended writing) in addition to being able to analyse and evaluate are essential. Independent study is required, especially in broadening knowledge and gaining an overview of the historical periods. Students are expected to read books in addition to watching relevant historical documentaries and films such as Wolf Hall, Elizabeth, Schindler's List, Hitler: The Rise of Evil and The Pianist.

A-level History is a 'facilitating' subject which means that it is preferred by universities to get onto a range of degree courses. A-level History can lead to a career in journalism, teaching, law, the civil service and librarianship to name but a few.

MATHEMATICS



Course details:

A-level Mathematics provides a thorough grounding in the mathematical tools and techniques often needed in the workplace. It provides a foundation for further studies in a variety of subjects including Science, Engineering and Economics.

The logic and reasoning skills developed by studying A-level Mathematics makes sure the qualification is widely respected even in non-mathematical areas.

Entry Requirements

A good base in Mathematics is essential - preferably grade 7 or above at GCSE - along with an enthusiastic interest in the subject and a determination to work hard.

To progress on to the second year of Mathematics, it is important that you have satisfactorily completed the AS course.

Course Content

Pure Mathematics makes up two thirds of the AS and A-level qualification and provides techniques in algebra, geometry, trigonometry and calculus that form the fundamental building blocks of the subject.

Mathematical applications make up the remaining third of the qualification and these are compulsory for every examination board. These are Mechanics and Statistics:

- **Mechanics**: forces, energy, motion
- **Statistics:** probability, data handling, testing hypotheses

Assessment

AS Level Mathematics (after one year of study) consists of two papers:

- **Paper 1** (2 hours) – Pure Mathematics
- **Paper 2** (75 minutes) – Mechanics and Statistics

A level Mathematics (after two years of study) consists of three papers:

- **Paper 1** (2 hours) – Pure Mathematics
- **Paper 2** (2 hours) – Pure Mathematics
- **Paper 3** (2 hours) – Mechanics and Statistics

Graphical calculators are allowed in all units and we recommend and teach with the Casio fx-CG50 calculator. Students will become confident at using their complex calculators in addition to thinking things through independently. The exam board is Edexcel.

Where does it lead?

The everyday use of arithmetic and the display of information by means of graphs are all around us; these are the obvious aspects of mathematics. Advanced mathematics is widely used, but often in an unseen and unadvertised way. Mathematics is at the heart of all of today's advancements in science and technology and is contributing to progress in other fields such as computer science, industrial and architectural design, economics, biology, linguistics and psychology. Studying mathematics can provide you with a competitive advantage in many fields. An undergraduate degree in mathematics can also give you a firm foundation for further study in a variety of other disciplines.

FURTHER MATHEMATICS

Course details:

A-level Further Mathematics builds upon what is taught in A-level Mathematics, and provides a view of the areas of Mathematics beyond the normal scope of study. It provides a depth of knowledge for further studies in a variety of subjects including Science and Engineering, but is not compatible with all subjects.

The logic and reasoning skills developed by studying A-level Further Mathematics are very challenging, and as a result this subject is not suitable for all students.

Entry Requirements

A good base in Mathematics is essential – ideally grade 8 or 9 at GCSE - along with an enthusiastic interest in the subject and a determination to work hard. There is a large amount of independent working required, so self-motivation is key.

Course Content

If you choose to study Further Mathematics, half of the A-level will be devoted to studying additional Pure Mathematics, the other half of the course will consist of two options from six available including Mechanics, Statistics and Decision Mathematics:

- **Mechanics**: work, energy and power, dimensional analysis, circular motion
- **Statistics**: discrete random variables, Poisson distribution, confidence intervals
- **Decision**: graphs and networks, linear programming, critical path analysis, game theory

A-level Further Mathematics is designed to broaden and deepen the mathematical knowledge and skills of the mathematician. It provides a stimulating experience for those who really enjoy the subject. Topics such as matrices and complex numbers are introduced, whilst others already studied are taken to greater depth.

Assessment

A-level Further Mathematics is made up of four papers of 90 minutes each:

- **Paper 1** – Core Pure 1
- **Paper 2** – Core Pure 2
- **Paper 3** – Option
- **Paper 4** – Option

Graphical calculators are allowed in all papers and we recommend and teach with the Casio fx-CG50 calculator. Students will become confident at using their complex calculators in addition to thinking things through independently. The exam board is Edexcel

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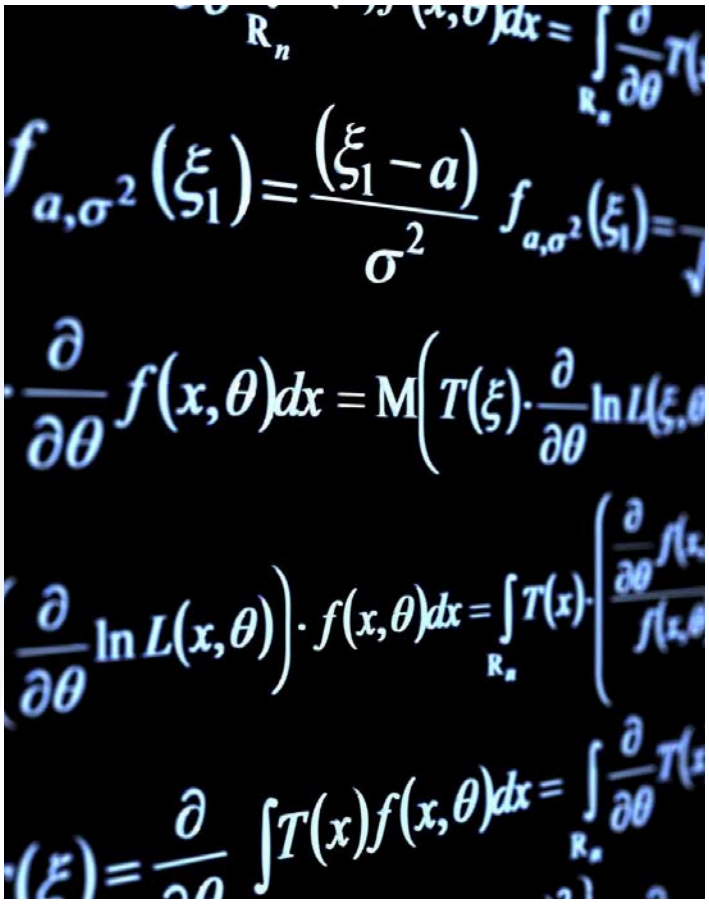


There are two routes to study A-level Further Mathematics:

Route 1: Two-year course.
This is for the students who already know they want to study both Mathematics and Further Mathematics. They join the Further Mathematics classes in their AS year and progress to the full A-level the following year.

Route 2: One-year course.
This is designed for the students who decide part-way through their A-level course, or after they get their AS results, that they would like to take Further Mathematics. The full A-level will be taught over one year.

Where does it lead?

Further Mathematics is invaluable for those who progress to study Mathematics at university. Mathematics is highly-valued by university admissions departments. It is at the heart of all of today's advancements in science and technology and is contributing to progress in other fields such as computer science, industrial and architectural design, economics, biology, linguistics, physics, computer science and psychology. An undergraduate degree in mathematics can also give you a firm foundation for further study in a variety of other disciplines.

MODERN FOREIGN LANGUAGES

Course details:

French, German, Spanish AQA A-level Courses

If you have enjoyed studying French/German/ Spanish at GCSE, then why not continue to develop your linguistic skills at A-level? The ability to understand and communicate in another language is a life-long skill for education, employment and leisure purposes. It helps to discover new cultures and gain a broader view of the world as a whole as well as being an integral part of globalisation. In today's business market employers look favourably upon prospective employees who can offer a foreign language.

Many universities are now starting to ask for a Modern Foreign Language at GCSE level or above as part of their entrance requirements, even if you are not planning to study languages.

The AQA MFL A-level courses are best suited to students achieving level 6/7 or above in French, German or Spanish at GCSE. In addition, students need to enjoy communicating in the target language as well as reading, writing and sharing ideas. The course is demanding, but it will enable students to build on their GCSE speaking, reading, listening and writing skills and broaden their linguistic skills.

Modules

The A-level course is a 2-year linear one with examinations at the end of this period. The AS course is a one year stand-alone course with examinations at the end of the year.

AS Level (one year):

- **Paper 1:** Listening, reading and writing- 1 hour 45 mins
  This paper includes translation into English (minimum of 70 words)
- **Paper 2:** Writing – 1 hour 30 mins
  One question from a choice of two on the set film studied during the AS course. 250 words approximately for the essay. Translation into MFL (minimum 70 words)
- **Paper 3:** Speaking – 14 mins plus 15 mins preparation
  Discussion of 2 stimulus cards

Topic areas covered for AS: social issues and trends, artistic culture, grammar. A film from a set list is studied at AS level.

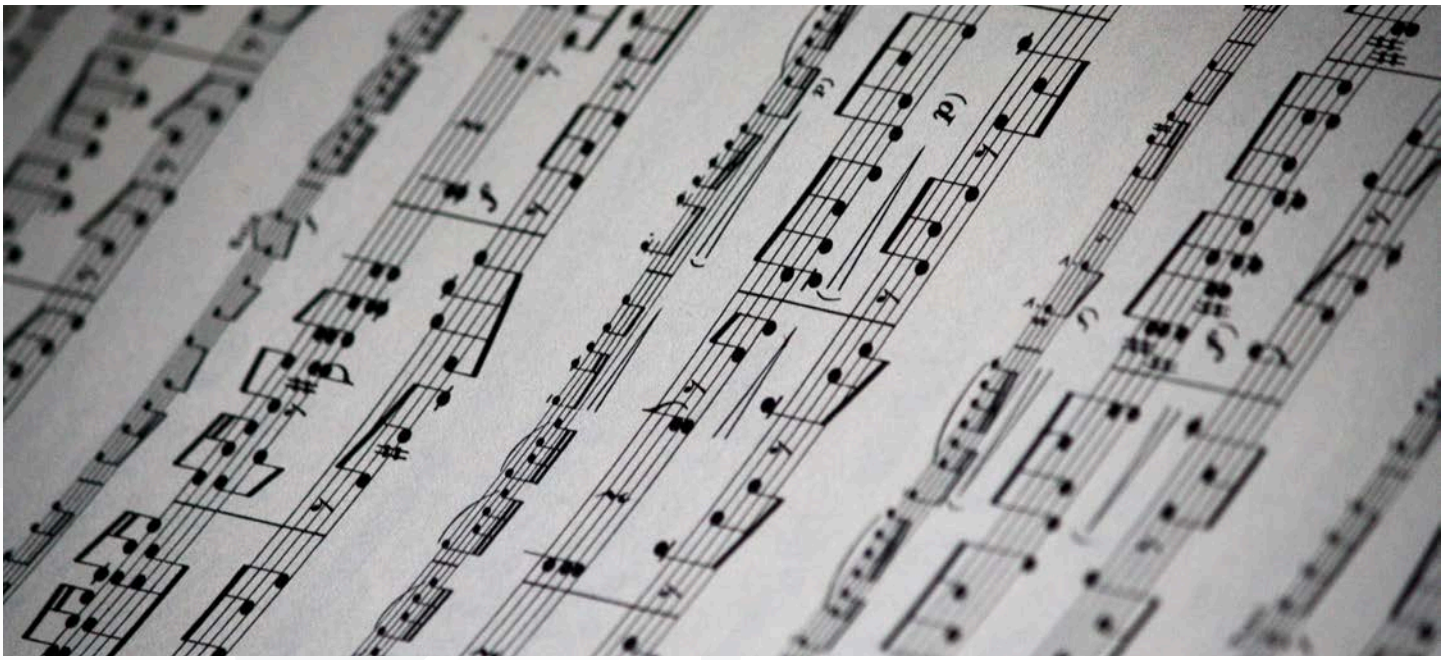
A-level (two years)

- **Paper 1:** Listening, reading and writing – 2 hours 30 mins
  This paper includes translation into English (minimum of 100 words) and translation into MFL (minimum 100 words)
- **Paper 2:** Writing – 2 hours
  One question to be answered on the set text and one on the set film OR two questions to be answered on the two texts studied from the set list. Approximately 300 words per essay.
- **Paper 3:** Speaking – approx. 23 mins including 5 mins preparation. Discussion of a sub-theme based on a stimulus card. Presentation and discussion of an Individual Research Project.

Topic areas covered for A-level: social issues and trends, political and artistic culture, grammar.

If you're interested in studying AS French/Spanish/ German, then please speak to the MFL staff for more details.

MUSIC



Course details:

Fabulous! You're making your subject choices, taking music beyond GCSE! The board we follow is AQA.

At both levels you will letting yourself in for three components:

1. Appraising music in a two-hour written paper which includes listening, analysis and a short essay.
2. Performance which can be a solo, in an ensemble, instrumental or vocal or even an IT production.
3. Two compositions, one from a set brief and one of your own choosing.

The music appraising covers a compulsory Western Classical section such as Baroque concerto, Mozart operas section. After that there is a choice of fields to study:

- Pop Music such as Daft Punk, Beyonce or Stevie Wonder
- Media film music Zimmer and Newman
- Theatre music from Weil and Sondheim
- Jazz greats like Armstrong and Miles Davis
- Complementary traditional music groups like Bellowhead and Anoushka Shankar
- For A-level we also explore Art Music since 1910 with the exciting Shostakovitch and Steve Reich!

The course follows on from GCSE easily and will stretch your musicality and beyond. You know how to listen to music, right? Put on your headphones, kick off your shoes, lie back and let the music flow as you check up on social media... yet behind the listening is curiosity; curiosity as to what is actually happening in a piece of music... not just the enjoyment of how it sounds.

Come and find out.

PHILOSOPHY

Course details:

Fascinating and enlightening, A level Religious Studies can give you deeper knowledge and understanding of philosophy ethics and a major world religion, and help students gain many valuable transferable skills. The Religious Studies course combines in-depth study of Philosophy of Religion and Ethics with the study of Christianity and ethical and philosophical issues within it.

In Philosophy of Religion, and Ethics, areas of study include the application of ethical theories to contemporary issues including abortion, euthanasia, capital punishment and embryonic research. The philosophical element looks at a variety of fascinating topics, including the nature of the mind, body and soul, arguments for and against the existence of God, and the problem of evil.

Students will also study Christianity as an academic topic, aiming to develop knowledge and critical understanding of key beliefs, principles and teachings and their impact on communities, societies and practice.

Where does it lead?

Religious Studies is a thought-provoking subject that offers a unique opportunity to develop transferable critical and evaluative skills sought by higher education and employers, especially in law, education, social work, politics, medicine, administration and the media. Analytical and reasoning skills developed in the course can support further study in a range of fields, including Humanities, Philosophy, PPE, English, Psychology and Theology.

Course Content

AS level:

- **Paper 1 - Philosophy of Religion and Ethics:**
  Topics covered: Arguments for the existence of God, the problem of evil, religious experience, normative ethical theories, issues of human life and death, issues of animal life and death.

- **Paper 2 - Christianity:**
  Topics covered: Sources of wisdom and authority, nature of God, self, death and afterlife, good conduct and key moral principles, expression of religious identity.

A2 philosophy:

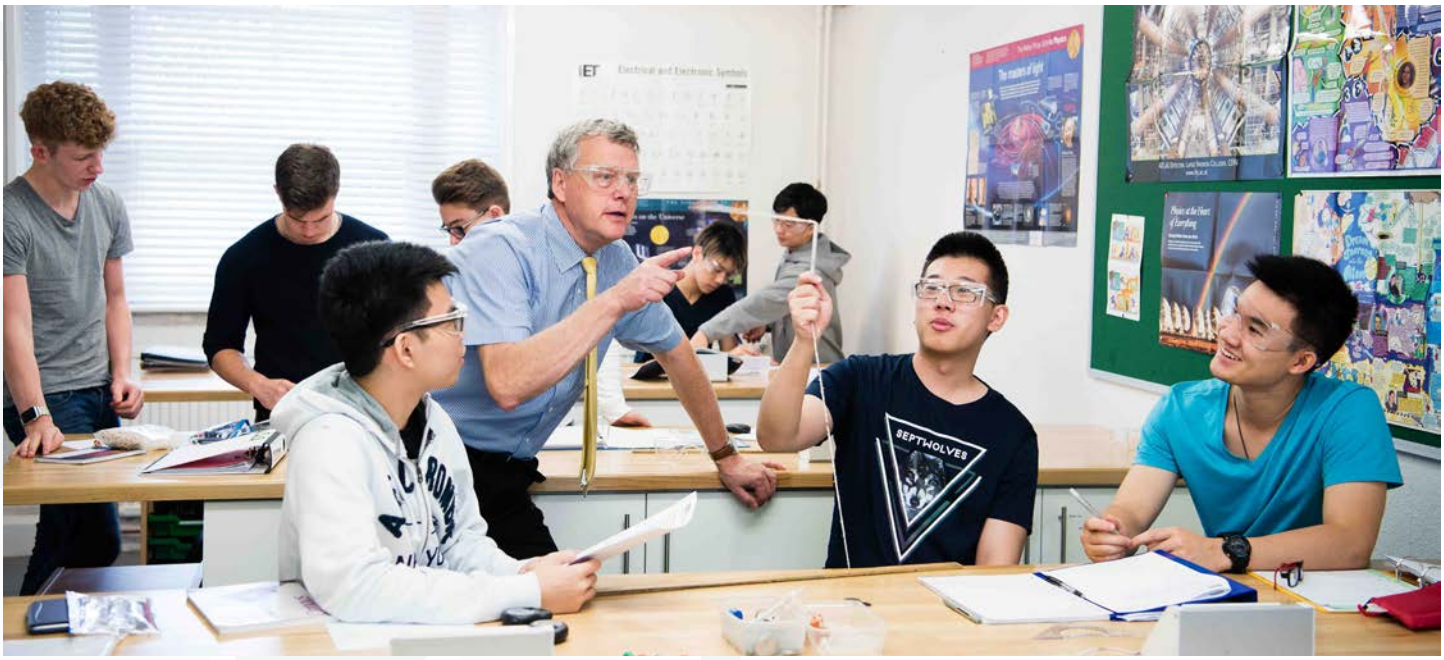
- **Paper 1: Philosophy of Religion and Ethics**
  Topics covered: AS Level topics plus religious language, miracles, self and life after death, introduction to meta ethics, free will and moral responsibility, conscience, Bentham and Kant.

- **Paper 2: Christianity**
  Topics covered: AS Level topics plus Christianity, gender and sexuality, Christianity and science, Christianity and the challenge of secularisation, Christianity, migration and religious pluralism, dialogue between philosophy of religion and Christianity, dialogue between ethical studies and Christianity.

Entry Requirements

Students will need a minimum of grade 5/6 or above in English GCSE and must have a willingness to write short essays. Classes involve discussion and debate, and students must be willing to participate in discussions, sharing their own ideas and listening and respecting the views of others.

PHYSICS



Course details:

Entry Requirements

A good grounding in Physics is essential and grade 5/6 or above at GCSE is the major requirement. A high competence in Mathematics is reasonably important as well as the ability to write good English that is scientifically accurate. A general interest in science is helpful. Physics A-level is an excellent subject to study alongside either or both of the other two sciences and Mathematics or Computer Science. Much of what you learn in Physics will complement the knowledge you will gain in Biology and Chemistry.

Course Content

AS course (Year 1)

- **Section 1:** Includes Particles and Quantum Phenomena
- **Section 2:** Includes Waves and Optics
- **Section 3:** Includes Forces, Newton's Laws of Motion, Momentum, Work, Energy and Materials
- **Section 4:** Includes Electricity and DC Circuits

The practical skills assessment involves performing a series of six experiments in class time which are assessed.

A-level course (Year 2)

- **Section 6:** Includes Circular Motion, Simple Harmonic Motion, Thermal Physics and Gases
- **Section 7:** Includes Gravitational Fields, Electric Fields, Capacitors, Magnetic Fields and Electromagnetic Induction
- **Section 8:** Includes Radioactivity and Nuclear Energy

There is then an optional topic. We currently offer Astrophysics or Engineering Physics.

The practical skills assessment involves performing a second series of six experiments in class time which are assessed.

The examination board is AQA

After A-level

A qualification in Physics can lead to a large range of career options, including research and development, computing, science, engineering, education, medicine, law, business, and the military.

POLITICS

Course details:

Why study Politics?

Who should study Politics, and why? The short answer is that everyone should study Politics — all members of society should have a better understanding of the general rules under which they live. For these rules to be effective, as many people as possible should actively participate in making them, upholding them and maybe changing them. This is what is meant by 'active citizenship'. A healthy society is a society in which many people participate in political activity and do so with insight and understanding.

However, certain students will undoubtedly find Politics more exciting than others. What makes Politics different as an academic subject is its emphasis on debate, discussion and argument. If Politics exists because people disagree, studying Politics must mean studying how, why and when people disagree and taking an interest in these disagreements.

What is more, we study these things not as neutral observers but as active participants. Facts (what is) and values (what should be) are so closely entwined in Politics that it is often impossible to prise them apart.

Politics is therefore particularly likely to suit students who:

- Have an interest in the world around them — ones who want to know more about the society they live in, how it works and how it could work
- Enjoy debate, discussion and argument — ones who are comfortable with the fact that in Politics there are no simple 'rights' or 'wrongs'
- Like to think for themselves — ones who want to develop their own views, rather than accept the views of others

Entry Requirements:

Five GCSEs at grade 5/6 or above or equivalent.

Course Content

AS level:

- **Component 1:** People & Politics: Democracy and Participation, Political Parties, Electoral Systems, Voting Behaviour and the Media
- **Component 2:** UK Government: The Constitution, Parliament, The Prime Minister and the Executive, Relationships between the branches

A-level:

- **Component 1:** UK Politics: This covers Political Participation and Core Political Ideas: Liberalism, Conservatism, Socialism, Democracy, Parties, Electoral systems, Voting Behaviour and the Media
- **Components 2 & 3:** UK Government & Comparative Politics: Covering UK Government, Constitution and one idea from the following: Nationalism, Feminism, Ecologism, Multiculturalism. You will study either USA or Global as one theme in Component 3.

Where does it lead?

This non-static subject post A-level provides a range of future possibilities including undergraduate study in Politics and International Relations. The analytical skills developed relate to careers in the civil service, law, journalism and academic teaching and research.

PSYCHOLOGY

Course details:

Psychology is the scientific study of mind and behaviour. Psychologists do experiments and observations to try to understand why people act the way they do. They use this understanding to create useful applications to help people. If you are interested in understanding other humans better, then this might be the subject for you.

Additionally, learning about how and why people behave in certain ways will help you build communication skills. People with a Psychology background can be found in business, management, medicine, healthcare, teaching, research, marketing, social work, police, the arts...anywhere there are people, basically!

A-level Psychology is a linear qualification which is usually taken over two years or as a one-year AS qualification. It requires academic writing, mathematical and scientific skills. GCSE subjects which would be useful include any Science or Social Science subjects (although it is not necessary to have studied Psychology before), Maths, History, English or any other essay-based subject.

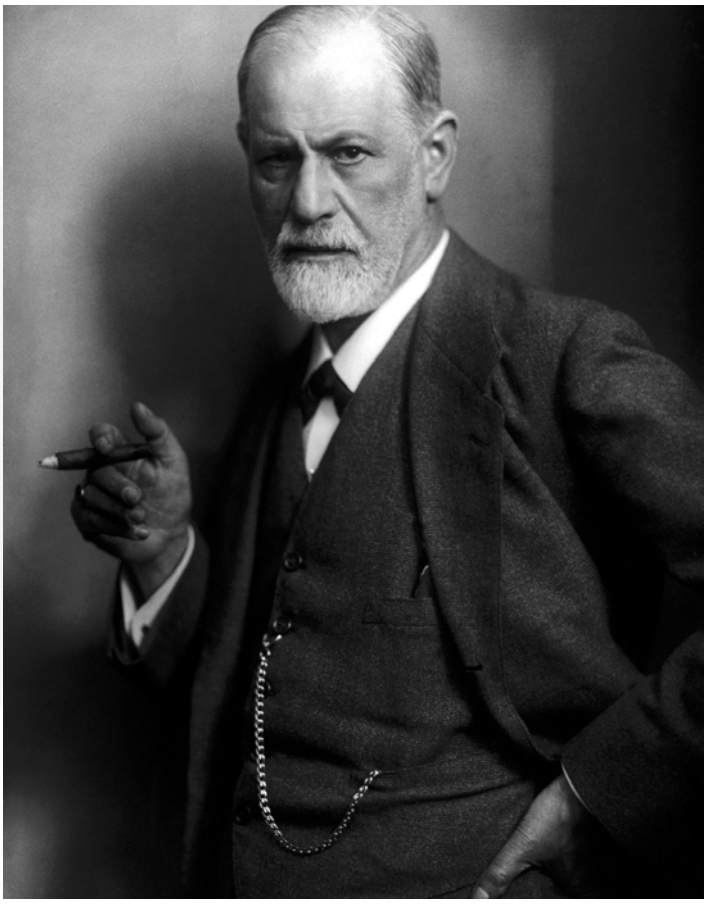
AQA Subject Content

Compulsory content:

1. **Social Influence:** How does group pressure affect individuals?
2. **Memory:** How do we remember and why do we forget?
3. **Attachment:** How influential is a child's early relationship with their primary caregiver?
4. **Psychopathology:** What are the causes and treatment of mental disorders such as phobias, depression and OCD?
5. **Approaches in Psychology:** How have psychologists attempted to explain human behaviour and mental processes?
6. **Biopsychology:** How do the body and brain affect our behaviour?
7. **Research Methods:** How do psychologists investigate the mind and behaviour?
8. **Issues and Debates in Psychology:** What are the most important arguments about how to conduct research or explain behaviour?

Optional content (Year 2 only)

There are three Option categories. Students learn one topic from each Option category. This year's topics are Gender, Schizophrenia and Aggression.



AS course (Year 1)

- **Paper 1:** Introductory Topics in Psychology. Compulsory content 1-3. Assessed by written exam: 1 hour 30 minutes.
- **Paper 2:** Psychology in Context. Compulsory content 4-7. Assessed by written exam: 1 hour 30 minutes.

A-level course (Year 2)

- **Paper 1:** Introductory Topics in Psychology. Compulsory content 1-4. Assessed by written exam: 2 hours.
- **Paper 2:** Psychology in Context. Compulsory content 5-7. Assessed by written exam: 2 hours.
- **Paper 3:** Issues and Options in Psychology. Compulsory content: 8. Optional content: one from Option 1; one from Option 2; one from Option 3. Assessed by written exam: 2 hours.

SOCIOLOGY

Course details:

Sociology is the study of people in social groups and deals with how societies are constructed. It investigates patterns of human behaviour: of interaction and cooperation, inequality and conflict. It examines where our beliefs, routines and aspirations come from and how these are influenced by social factors. A-level Sociology is an interesting and worthwhile course. It encourages a critical understanding of contemporary society. As one student notes, "Sociology offers a chance to discover how brilliant you can be if you think critically". Furthermore, it stimulates a lifelong interest in social issues.

The A-level course covers the sociology of Families and Households, Education and Research Methods. In year two we cover Crime and Deviance, Beliefs in Society as well as Theory and Methods. The course is demanding but fulfilling; there is a lot of independent study required, particularly when it comes to learning terminology and key case studies. GCSE Sociology is a good basis for A-level Sociology but is not essential for the A-level course.

Entry Requirements

A good grasp of English is required for the discursive nature of the subject and the demands of essay-writing as well as learning complex terminology. Students should also be willing to challenge their own and other people's preconceptions and should never be prepared to accept things at face value.

Assessment:

AS Level (1 year course):

Both papers are 90 minutes with a total of 60 marks. Each paper is worth 50%.

A-level (2 year course):

All three papers are 120 minutes with a total of 80 marks.
Each paper is worth 33.3%.

Where does Sociology lead?

The study of Sociology is a good grounding for working with people, whether in Media, Business, Law, Medicine, Education, Journalism Social work or Local Government Services. It increases awareness and sensitivity and deepens our understanding of the society we live in.

WHERE NEXT?

Details:

If you have any further questions about life in the sixth form or you would like to discuss your individual choices, please contact us.

At Bosworth we want to help you take the right next step on your journey.

If you would like to talk to someone in more detail about a one-year GCSE retake, A-level or BTEC study we can arrange a one-to-one meeting to guide you through the course.

Depending on what your long-term ambitions are, we will advise you on how to achieve them. Our objective is to set you on your chosen career path.

You can find further details of our courses on the Bosworth website:

www.bosworthcollege.com

Alternatively, you can contact one of the following members of the team directly:

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