

HaileyburyTurnford

Sixth Form Options Booklet



2021 - 2023

Ambition - Pride - Success



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INTRODUCTION

What does Haileybury Turnford offer?

The Sixth Form is able to provide an extensive range of Level 3 courses including A-Levels, BTECs and OCR Cambridge Technical qualifications. We also offer level 2 English and Maths resit opportunities.

Sixth Form students have modern, dedicated facilities in a technology rich and supportive environment. All students are allocated a personal tutor to act as a mentor and help them to set targets and monitor progress.

There are opportunities to take responsibility and develop leadership skills where excellent support is given for career planning and university applications.

The Sixth Form offers a wide range of co-curricular opportunities including foreign visits, enterprise activities and social events.

We have forged a strong relationship with our Sponsors, Haileybury, which has enabled our Year 12 and 13 students specialist access to their Medical, Dentistry and Vet programmes as well as offering advice to those students who wish to attend the most academic universities in England.

New entrants are warmly welcomed and a visit is strongly encouraged.

Making the right choice:

Making the right choice of subjects at A Level can always be difficult and you should gather as much information as possible before you make any important decisions about where and what you wish to study. It may help you to note the following points:

- Aim to choose subjects that you enjoy and that you are good at. However, you should bear in mind the requirements for any career or further education opportunities that you think may be of interest to you. If you do not know what you want to do in the future, then it is sensible to keep as many avenues open as possible at this stage.
- Different courses demand varying skills and aptitudes. You should read carefully about each subject and, if necessary, seek further advice, before filling in your option form. You must meet the required entry criteria before you will be considered for a course.

Included in this brochure are outlines of the subjects that various departments hope to offer. It must be remembered that places on these courses cannot be guaranteed. We will always do our best to give everyone their first choice, however, it may be impossible to provide every combination of subjects. Sometimes there are too few students to run a particular course; occasionally there may even be too many students or not a sufficient number of teachers available to accommodate all requests. For these reasons it may be necessary for you to modify your choices at a later date.

It is important that you attend your Sixth Form progression meeting in February where you will be able to discuss your future plans with a member of staff. As well as giving you sound advice for the future, they will be able to give you some direction if, for some reason, your particular combination of subjects needs to be revised.

Final decisions will be made and courses confirmed later in the Summer Term.

Entry Requirements:

The entry requirement for most **vocational courses** is 5 or more 9-4 GCSE grades or equivalent including level 4 in English and Maths.

The entry requirement for **A Levels** is 5 or more 9-5 grades in GCSE subjects as well as meeting the entry requirements that might be specific to your chosen subject. It should be noted that GCSE English and Maths level 5 are compulsory for all A Level choices.

We wish you well during the rest of Year 11 and look forward to working with you in our Sixth Form next year.

The Sixth Form Team

ACCOUNTING AND FINANCE (A Level)

Duration: 2 Year course

What will I do on the course?

This course aims to develop your understanding and awareness of accounting and how different organisations and people use accounting information to make decisions.

What topics will I study?

Over the two years of study students will gain insights into the role of an accountant, the types of business organisations as well as the double entry bookkeeping system. Students will learn about the preparation of financial statements for sole traders, companies and partnerships as well as undertaking budgetary preparation. Students will also be exposed to various Management Accounting concepts including standard costing, capital investment appraisal and marginal costing. Students will also gain an insight into the ethical considerations in accounting during their two years.

How is it assessed?

In year 13 students will be required to sit 2 exams, paper 1 and paper 2.

Paper 1 is worth 50% of the overall A Level grade and is 3 hours in length and the paper is out of 120 marks. Paper 1 has 3 sections including multiple choice and several short answers. You will also be assessed on computational structure based questions as well as two extended answers worth 50% of the paper.

Paper 2 is worth 50% of the overall A Level grade and is 3 hours in length and the paper is out of 120 marks. Paper 2 has 3 sections including multiple choice and several short answers. You will also be assessed on computational structure based questions as well as two extended answers worth 50% of the paper. Both papers must be taken for students to be awarded any grade from A*-U.

What are the entry requirements?

A minimum of at least 5 GCSEs at grade 9-5 including a Level 5 in mathematics and Level 5 in English. While we assume that students have no knowledge of accounting before they start the course, good numerical skills are an advantage.

What other subjects go well with Accounting?

Accounting combines well with a number of other subjects. The related disciplines of Business Studies, Economics, Law and Mathematics are obvious. Students looking for a broader programme have often included Accounting with the study of a language, or with science subjects; this approach mirrors some of the developments at university where language, science and engineering courses often include aspects of Business Management.

Where will it take me?

Apart from those who may be considering Accounting as a career and would benefit from taking the A level, a wide range of students will find that the skills of analysis, evaluation and decision making gained during the course have application at work or in higher education. Equally useful will be the ability to make objective decisions based on data and the skill of preparing clear reports and recommendations. A broad knowledge of the financial aspects of business will be developed which will be valuable for anyone contemplating a career in business and management as well as for entrepreneurs who are keen to develop their own business. The financial and business pages of newspapers and journals will be more readily understood.

APPLIED PSYCHOLOGY (Vocational)

Duration: 2 Years

WHAT IS APPLIED PSYCHOLOGY?

Our BTEC Nationals in Applied Psychology are ideal for students who thrive in an engaging and hands-on learning environment. The course teaches students about the applications of psychological approaches whilst also exploring how to conduct psychological research.

Psychology is the science of the mind and behaviour. It is a popular option and complements a wide number of other arts, science and health & social care subjects.

Psychologists investigate the way humans and other animals think and behave. All students study the psychology of memory, attachment in early childhood, social influence, psychopathology and different approaches in understanding human behaviour. In addition, you will learn about the kinds of research methods that psychologists use, taking part in psychological experiments and carrying out psychological research of your own.

WHAT IS INVOLVED IN STUDYING PSYCHOLOGY?

The Pearson BTEC Level 3 National Extended Certificate in Applied Psychology, which is 360 GLH, is intended to be an Applied General qualification for post-16 learners wanting to continue their education through applied learning, and who aim to progress to higher education and ultimately to employment, possibly in the applied psychology sector. The qualification is equivalent in size to 1 A Level and it has been designed to be part of a typical two-year study programme, alongside A Levels or other applied general qualifications at Level 3.

The content of this qualification has been developed in consultation with academics to ensure that it supports progression to higher education. The qualification provides the knowledge, understanding and skills that will prepare you for further study or training. Everyone taking this qualification will study two mandatory units, covering the following content areas:

- applications of psychological approaches
- conducting psychological research.

The mandatory content allows you to concentrate on the development of your knowledge and understanding, as well as the application of psychological theories.

WHERE WILL PSYCHOLOGY TAKE ME?

The qualification carries UCAS points and is recognised by higher education providers as contributing to admission requirements to many relevant courses, if taken as part of a programme of learning alongside other Level 3 qualifications. It will help in preparing you for degree programmes for which some knowledge of psychology may be an advantage. Examples are:

- a BSc (Hons) in Sports Coaching if taken alongside, for example, the Pearson BTEC Level 3 National Diploma in Sport
- a BA (Hons) in Early Years Education if taken alongside, for example, the Pearson BTEC Level 3 National Extended Diploma in Children's Play, Learning and Development.

In fact, this qualification will be beneficial to you if you would like to become a teacher of any subject area. You will be able to choose a wide range of degree programmes to progress to, but these will depend on the other qualifications you have taken.

How does the qualification provide employability skills?

In the BTEC National units, there are opportunities during the teaching and learning phase to give learners practise in developing employability skills. Where employability skills are referred to in this specification, we are generally referring to skills in the following three main categories:

- cognitive and problem-solving skills: using critical thinking, approaching non-routine problems applying expert and creative solutions, using systems and technology
- interpersonal skills: communicating, working collaboratively, negotiating and influencing, self-presentation
- intrapersonal skills: self-management, adaptability and resilience, self-monitoring and development.

There are also specific requirements in some units for assessment of these skills where relevant, for example where learners are required to undertake real or simulated activities.

HOW IS THE COURSE ASSESSED?

We will follow the Edexcel BTEC Nationals specification.

2 x Internally Assessed units will be assessed by the tutor once the student has provided evidence that demonstrates that they have met all the learning outcomes for the unit. The grading will be a Pass, Merit or Distinction. The work will be internally verified and then an external verifier will also grade the work.

2 x Externally Assessed units are via a written examination set and marked by Pearson. Unit 1 is 1hour 30minutes long and worth 72marks. Unit 2 is 2hours long and worth 70 marks.

All units must be achieved in order to pass the course.

Overall grades are awarded on a points basis and students can achieve grades, Pass, Merit, Distinction or Distinction*

WHAT ARE THE ENTRY REQUIREMENTS?

A minimum of 5 x 9-5 grades. An interest in psychology is an essential requirement. A grade 4 in GCSE English is also essential, whilst a grade 5 is preferable.

APPLIED SCIENCE (Vocational)

Duration: 1-2 years

WHAT WILL I BE DOING?

The aim of this course is to provide a broad scientific knowledge for students interested in continuing their science education and possibly looking for careers in science related industry. This course is suitable for students who enjoy a wide variety of learning styles. As it is partly portfolio based, there is the opportunity to make use of your strengths and look for support on your weaknesses.

WHAT TOPICS WILL I STUDY?

In the first year the following units will be studied:

Unit 1: Principles and Applications of Science

Students are required to sit 3 x 40 minute written exams which are worth 90 marks in total. The exam is split into three equal sections (Biology, Chemistry and Physics).

Unit 2: Practical Scientific Procedures and Techniques

Students will be introduced to quantitative laboratory techniques, calibration, chromatography, calorimetry and laboratory safety, which are relevant to the chemical and life science industries.

In the second year the following units will be studied:

In the second year the following units will be studied:

Unit 3: Principles and Applications of Science (25%) external exam

This unit covers some of the key science concepts in Biology, Chemistry and Physics.

Unit 8: Physiology of Human Body System

This unit covers the physiological make up of three human body systems (musculoskeletal, lymphatic and digestive), how the systems function and what occurs during dysfunction

HOW IS IT ASSESSED?

The course is assessed both internally (42%) and externally (58%). The Unit 1 external assessment is a written exam covering fundamental topics in all three sciences. The Unit 3 exam is a practical exam and consists of two parts; Part 1, completing the practical and analysing results and Part 2, a written paper on practical skills.

WHAT ARE THE ENTRY REQUIREMENTS?

You will need a minimum of 5 GCSEs with grades 4+ including grade 5-5 in GCSE Science, and grade 5 or above in GCSE Maths.

WHERE WILL IT TAKE ME?

Many students who study the BTEC route consider a career in the research science field, or as a technician. However, with the relevant work experience students could progress on to careers in management, teaching or higher level research. Other possible career paths could include Forensics, Food Manufacturing, Environment and Conservation, Animal Health and Breeding, Engineering and Aerospace.

If you have any questions about the qualification, then please do not hesitate to contact the Science Department.

ART AND DESIGN – FINE ART (A Level)

Duration: 2 years

What will I do on the Course?

- Students who choose this course will have the opportunity to develop an individual approach to Fine Art.
- They will acquire technical skills associated with painting and drawing, printmaking, sculpture and lens-based image making. Experience in traditional and digital materials, techniques and processes for the purpose of self-expression.
- Students will be encouraged to develop learning skills such as researching, experimentation, applying knowledge and evaluating work as a continual process.

Work in Fine Art is aimed at forming a means of personal investigations and expression. Creative approaches are developed which go beyond mere observation and recording. Independent learning is developed through technical workshops and experimental units of work.

How is it assessed?

A level consists of 2 main components:-

Component 1 – Personal investigation (60%)

Component 2 – Externally set assignment (40%)

What are the entry requirements?

- Drawing is an essential skill for studying art and design at A level
- Consultation with teacher
- An ability to work independently
- At least a 4 in GCSE Art and/ or at least a 4 in GCSE English

Where will it take me?

- Foundation Course in Art and Design.
- Further Education courses in, degree courses in creative subjects such as Art and Design, illustration, Graphics, Textiles, Ceramics and 3D design.
- Careers relating to Art and Design, Exhibition designer, Print maker, Illustrator, Interior designer, Art therapist.

ART & DESIGN - PHOTOGRAPHY (A Level)

Duration: 2 years

What will I do on the Course?

- Students who choose this course will have the opportunity to develop an individual approach to photography.
- They will acquire technical skills associated with picture taking, including digital camera controls, image manipulation and Photoshop skills. Experience in the traditional method of photography in the dark room will be offered.
- Students will be encouraged to develop learning skills such as researching, experimentation, applying knowledge and evaluating work as a continual process.

Work in photography is aimed at forming a means of personal enquiry and expression. Creative approaches are developed which go beyond mere observation and recording. Independent learning is developed through technical workshops and experimental units of work.

How is it assessed?

A level consists of 2 main components:-
Component 1 – Personal investigation (60%)
Component 2 – Externally set assignment (40%)

What are the entry requirements?

- Consultation with teacher
- An ability to work independently

- At least a 4 in GCSE Art or Photography and/ or at least a 4 in GCSE English

Where will it take me?

- Foundation Course in Art and Design
- Further Education courses in, degree courses in creative subjects including digital and lens based media.
- Careers relating to photography, graphic design, fashion, film, journalism and video making.

BIOLOGY (A Level)

Duration: 2 Years

WHAT WILL I DO ON THE COURSE?

The course is split into 6 teaching modules.

- Module 1: Development of Practical Skills in Biology
- Module 2: Foundations of Biology
- Module 3: Exchange and Transport
- Module 4: Biodiversity and Disease
- Module 5: Homeostasis and Energy
- Module 6: Genetics and Ecosystems

Our current exam board is OCR Biology A.

The content covers biology from the microscopic level within cells to entire ecosystems of organisms and their environments! This course allows students to explore the inner workings of humans, animals, plants, bacteria and other groups of organisms, ensuring students have a broad and deepened understanding in preparation for university courses, apprenticeships and employment. The programme of study we have developed at Haileybury Turnford ensures that students are well equipped for life beyond 6th form having developed the necessary practical and independent study skills. The experiences that take place beyond the classroom also provide evidence for a student's UCAS application and CV.

HOW IS IT ASSESSED?

The course will be assessed by 3 exams at the end of the A Level course in Year 13.

Exam	Modules Assessed	Total Marks	Length of Exam
Biological Processes	1, 2, 3 & 5	100 marks (37%)	2h 15min
Biological Diversity	1, 2, 4 & 6	100 marks (37%)	2h 15min
Unified Biology	1-6	70 marks (26%)	1h 30min

Candidates will also be required to undertake the practical endorsement in Biology which is a non-exam assessed module based on their practical skills which they are required to pass. This is assessed through 12 practical tasks across the 2-year course and is teacher assessed as a Pass or Fail.

WHAT ARE THE ENTRY REQUIREMENTS?

A student needs to have achieved at least 6 in their Double or Triple Science GCSE examinations to seriously consider attempting further studies in Biology. They will also need a 6 in both Maths and English Language to ensure they have the appropriate skills to access and respond to exam questions. Maths based questions can account for more than 10% of the overall marks.

This is a challenging course and level 6s ensure candidates are appropriately prepared for the demands.

WHERE WILL IT TAKE ME?

As with all sciences, there are many career paths open to any student who follows the Biology course of study. Medicine, Veterinary Surgery or nursing, scientific research, environmental sciences, Zoology, Botany, Genetics, scientific publishing and journalism are just a few of the many areas that are open to students who gain an A Level in Biology. Recent students have pursued courses in biomedical science and sport studies equipping them for careers in a variety of professional environments.

BUSINESS A Level

DURATION: 2 years

WHAT WILL I BE DOING?

The A-level Business course introduces you to all you need to know about working in business, providing a solid foundation for further study. You will be communicating and explaining ideas, exploring and presenting alternative courses of action, thinking strategically and making decisions, working with numbers to solve business problems, keeping up to date with national and international business news and learning about the world of business through research and investigation. With a focus on helping you to become a good decision maker, you'll learn essential managerial skills, alongside techniques to help you become an analytical problem solver. These skills are all highly sought after and valued in a wide range of careers

WHAT TOPICS WILL I STUDY?

In Theme 1 you will learn about dynamic markets, social media and online retailing, innovation and entrepreneurship.

- Theme 2 introduces you to business finance, the impact of economic uncertainty on businesses and the competitive environment.
- In Theme 3 you will moving from functions to strategy, exploring business decision-making, small business survival, managing change and scenario planning.
- Theme 4 explores global business, investigating overseas markets, cultural and social differences and the impact of multinationals.

HOW IS IT ASSESSED?

For A level you will study all four themes and will sit three exams at the end of your course:

- Paper 1 has data response and essay questions, and focuses on Theme 1 and Theme 4 content.
- Paper 2 has data response and essay questions, and focuses on Theme 2 and Theme 3 content.
- Paper 3 has a pre-released context so you will investigate an industry or market in which businesses operate before your exam. The data response and essay questions in the exam are linked to the context.

WHAT ARE THE ENTRY REQUIREMENTS?

You will need a minimum of 5 GCSEs at grades 9-5 grades including Level 5 in English and Level 5 in Maths. You don't need to have studied Business at GCSE to do the A level – you will be introduced to all the core content. It is more important that you are interested in business... you might want to start your own business one day, be interested in the world around you, explore how businesses work and consider the challenges businesses face

WHERE WILL IT TAKE ME?

Business prepares you for progression to further study or the world of work:

- Transferable skills like making decisions, solving problems, numerical skills, understanding the business environment and commercial awareness are relevant to university and employment
- You might want to study a degree in business management, accountancy, tourism management or international business
- You might progress to a career in banking, sales, product management or for charity

There are many possibilities!

If you have any questions about the qualification, then please do not hesitate to contact the Enterprise Faculty.

BUSINESS DIPLOMA (Vocational)

(Equivalent to 2 A-Levels)

Duration 1- 2 years

(Students who study for 1 year will achieve an AS Level equivalent. Those studying for 2 years will achieve an A-Level equivalent of 2 A Levels)

What will I be doing?

The BTEC Level 3 National Diploma in Business aims to look at the questions arising in business and how decisions are made in business. The new Edexcel syllabus covers 8 units which are assessed both internally and externally during the two years of the course.

Units

- 1) Exploring business
- 2) Developing a marketing campaign
- 3) Managing an event
- 4) International business
- 5) Personal and business finance
- 6) Principles of Management
- 7) Recruitment and selection process
- 8) Market Research

The learning programme covers the following content areas:

- Business environments
- Finance
- Marketing.
- Management
- International Business
- Human resources

In addition, the course is designed to develop employability skills such as:

- cognitive and problem-solving skills
- intrapersonal skills
- interpersonal skills

Why BTEC Nationals?

Today's BTEC Nationals are demanding, as you would expect of the most respected applied learning qualification in the UK. You will have to choose and complete a range of units, be organised, take some assessments that BTEC will set and mark, and keep a portfolio of your assignments. But you can feel proud to achieve a BTEC because, whatever your plans in life – whether you decide to study further, go on to work or an apprenticeship, or set up your own business – your BTEC National will be your passport to success in the next stage of your life.

Business is one of the most popular subject areas offered by Haileybury Turnford 6th form. Businesses are at the heart of the economy. They develop innovation, create wealth within communities and lead the way in enhancing the skills of the UK workforce. The BTEC National in Business encapsulates this through a wide range of units. It is an ideal foundation for students entering the workplace, providing them with a theoretical background reinforced with practical skills that transfer into the modern workplace.

What topics will I study?

Unit 1: Exploring business	12.5% of qualification
Unit 2: Developing a marketing campaign	12.5% of qualification

Unit 3: Personal and business finance	17% of qualification
Unit 4: Managing an event	12.5% of qualification
Unit 5: International business	12.5% of qualification
Unit 6: Principles of Management	17% of qualification
Unit 8: Recruitment and selection process	8% of qualification
Unit 22: Market Research	8% of qualification

How is it assessed?

Assessment: 46% external assessment, 54% internal assessment

Unit 1: Internal assessment - coursework internally marked, externally moderated

Unit 2: External assessment – set task externally marked

Unit 3: External assessment - examination

Unit 4: Internal assessment - coursework internally marked, externally moderated

Unit 5: Internal assessment – coursework internally marked, externally moderated

Unit 6: External assessment – set task externally marked

Unit 8: Internal assessment - coursework internally marked, externally moderated

Unit 22: Internal assessment - coursework internally marked, externally moderated

- Pass (P) *equivalent GCE grade E*
- Merit (M) *equivalent GCE grade C*
- Distinction (D) *equivalent GCE grade A*
- Distinction* (D*) *equivalent GCE grade A**

What are the entry requirements?

You will need a minimum of 5 A*-C grades at GCSE including English (Level 4).

Where will it take me?

The Diploma is for learners who are interested in learning about the business sector alongside other fields of study, with a view to progressing to a wide range of higher education courses, not necessarily in business-related subjects. It is designed to be taken as part of a programme of study that includes other appropriate BTEC Nationals or A Levels. The qualification carries UCAS points and is recognised by higher education providers as contributing to meeting admission requirements for many courses if taken alongside other qualifications as part of a two-year programme of learning. It will support entry to many higher education courses, depending on the other qualifications learners have taken. The qualification can also support progression to employment directly, or via an Apprenticeship.

As a department we are very proud of the achievement of students in our subject, with 100% gaining a minimum of a Pass grade and over 50% achieving a Distinction last year. However, we are always looking to develop and ensure that we are meeting the needs of our students. We believe that this qualification allows us to do this in a number of ways, such as offering a qualification at the AS level for those who do not wish to do the whole course.

If you have any questions about the qualification, then please do not hesitate to contact the Business Department.

BUSINESS EXTENDED CERTIFICATE (Vocational) *(Equivalent to 1 A-Level)*

Duration: 1- 2 years

(Students who study for 1 year will achieve an AS Level equivalent. Those studying for 2 years will achieve an A-Level equivalent)

What will I be doing?

The BTEC Level 3 National Extended Certificate in Business aims to look at the questions arising in business and how decisions are made in business. The new Edexcel syllabus covers 4 units which are assessed both internally and externally during the two years of the course.

Why BTEC Nationals?

Business is one of the most popular subject areas offered by Haileybury Turnford Sixth Form. Businesses are at the heart of the economy. They develop innovation, create wealth within communities and lead the way in enhancing the skills of the UK workforce. The BTEC National in Business encapsulates this through a wide range of units. It is an ideal foundation for students entering the workplace, providing them with a theoretical background reinforced with practical skills that transfer into the modern workplace.

What topics will I study?

Unit 1: Exploring business	25% of the qualification
Unit 2: Developing a marketing campaign	25% of qualification
Unit 3: Personal and business finance	33% of qualification
Unit 8: Recruitment and selection process	17% of qualification

How is it assessed?

Assessment: 58% external assessment, 42% internal assessment.
You will achieve a Pass, Merit, Distinction or Distinction*

What are the entry requirements?

You will need a minimum of 5 GCSEs at grades 9-4 including English (Level 4).

Where will it take me?

The Extended Certificate is for learners who are interested in learning about the business sector alongside other fields of study, with a view to progressing to a wide range of higher education courses, not necessarily in business-related subjects. It is designed to be taken as part of a programme of study that includes other appropriate BTEC Nationals or A Levels. It will support entry to many higher education courses, depending on the other qualifications learners have taken. The qualification can also support progression to employment directly, or via an Apprenticeship.

If you have any questions about the qualification, then please do not hesitate to contact the Enterprise Faculty.

CHEMISTRY (Advanced Level)

Duration: 2 year Linear A Level.

A chemistry qualification could open doors to all kinds of jobs that you may never have even imagined. The food we eat, the clothes we wear and the technology we use all depend on chemistry. Chemists develop new medicines, safeguard our food supply and monitor and protect the environment.

What will I do on the course?

You will study the breadth and depth of chemistry. From the mysterious places where electrons can be found to how blood works. How scientists can identify traces of substances at crime scenes and plastic bottles are like your skin. There will be plenty of opportunity for practical work, ranging from making aspirin to forensic analysing techniques.

After studying Advanced level chemistry, you will have an insight into how substances behave, no other subject can give you this depth of insight. You will build skills in team work, problem solving, analysis and communication, all of which are highly valued by employers.

Assessments

At the end of the first year you will have 2 examinations which will lead to an AS Chemistry qualification. It will have with it UCAS points which you can use to go on to higher education. This will **not count** towards your final full Advanced level grade.

At the end of the second year you will have 3 examinations which will give you your final A level grade. This will of course have the UCAS points which are needed for higher education. You will also be assessed on your practical skills with a practical endorsement, however, this will not count towards your overall grade in Chemistry.

What are the entry requirements?

Students wishing to take this course should have obtained a Level 6 in Science or a Level 6 in Chemistry at GCSE and also must have a minimum of a level 6 in Mathematics.

Where will it take me?

A Level Chemistry is a valuable qualification respected by many employers. The course provides support for any further scientific career and is generally required for Medicine, Veterinary Science and related Sciences. In addition, any career in the technical or engineering industries would be greatly helped by A level Chemistry.

CHILDREN'S PLAY, LEARNING & DEVELOPMENT (Vocational)

Duration: 2 years

What will I do on the course?

This course provides an exciting mixture of both work experience, in a range of child care and learning settings, and academic study of children, their development, learning styles, health, and safety from birth up to 8 years of age.

You will undertake a substantial amount of placement work in schools and nurseries over the 2 year course. Working alongside professionals in these settings, schools and nurseries will give you the experience and understanding of children which makes learning in the classroom come to life.

This qualification will give you the knowledge and practical skills of children's care for progression to employment or higher level education. Work experience and links to the workplace form a central part of the programme.

This course will appeal to students who have an interest in children, their development and how they learn. The course will be assessed by internally assessed coursework and externally assessed written exams.

What kind of topics will we be studying?

Here are some of the units we will be studying:

Children's Development: this unit looks at how the principles of growth and development apply to children's developmental progress from birth up to 8 years. You will learn about different models of development and how they relate to aspects of children's development and able to apply theories and models of child development to support their development. You will look at a range of factors that influence child development and understand and recognise atypical development.

Children's Communication, Literacy and Numeracy Skills: this unit looks at how children communicate from birth to 8 years old. You will learn about different styles of literacy and numeracy teaching methods and gain some understanding of the Early Years Foundation Stage framework and how it is used to support the development of children.

Children's Play and Learning: this unit looks at the links between play and children's development and understand how a range of play opportunities and types can support children's development. You will also learn about adults' involvement in children's play and how this can be beneficial.

Keeping Children Safe: this unit looks at the importance of following and complying with relevant health and safety regulations and legislation. We will look at the importance of understanding how to prevent the spread of infection, prevent accidents and incidents, recognise child abuse and how to carry out risk assessments.

How is it assessed?

The Pearson BTEC Level 3 National Extended Certificate in Children's Play, Learning and Development consists of four units that provide for a combined total of 360 guided learning hours (GLH) for the completed qualification. The Pearson BTEC Level 3 National Extended Certificate has two units that we set, mark and assess (internal coursework) and two externally assessed units that Pearson sets and marks (written exams).

Pearson BTEC Level 3 National Extended Certificate in Children's Play, Learning and Development				
Unit number	Unit title	GLH	Type	How assessed
Mandatory units – learners complete and achieve all units				
1	Children's Development	120	Mandatory	External
2	Development of Children's Communication, Literacy and Numeracy Skills	120	Mandatory	External
3	Play and Learning	60	Mandatory and Synoptic	Internal
Optional units – learners complete 1 unit				
5	Keeping Children Safe	60	Optional	Internal
6	Children's Physical Development, Care and Health Needs	60	Optional	Internal
8	Working with Parents and Others in Early Years	60	Optional	Internal
11	The Early Years Foundation Stage	60	Optional	Internal

Each internal unit will be assessed by the tutor, once the student has provided evidence that demonstrates that they have met all the learning outcomes for the unit. At the end of the two-year period when all units are complete the work will be internally verified and then an external verifier will also grade the work.

The grading will be a Pass, Merit or Distinction.

After completion of the two-year course you will gain a level 3 qualification which is equivalent in size to an A Level.

What are the entry requirements?

A minimum of four grade 4 GCSE/level 2 equivalent are required. An interest in Children's Care, Learning and Development is also an essential requirement. A level 2 qualification in Child Development and grade 4 English Language and Science GCSE will be an advantage for this qualification.

Where will it take me?

This course is an excellent preparation for those who wish to pursue a career in the Teaching or Child Care sector. It is a useful preparation for those who wish to study Children's Care, Learning and Development at Diploma or the Extended Diploma Level. Amongst other career opportunities this qualification is particularly useful for those who are considering a career in children's nursing, managerial roles in the caring profession, community project worker, early years' practitioner or play therapist.

DANCE (Vocational)

RSL Level 3 Diploma in Creative and Performing Arts

Equivalent to 1.5 A Levels

Duration: 2 years

What will I do on the course?

The course is designed for learners to give the opportunity to acquire experience of performance and choreography and to engage in critical thinking about dance. The content allows candidates to study dance which can be extended through higher education and promotes a healthy lifestyle through an awareness of the importance of exercise and training.

The RSL level 3 course is made up of the following areas of study;

Core units

- Performance preparation (Externally Assessed)
- Planning for a career in the creative and performing arts (Internally assessed)

Optional Units (Choose 5)

All units are internally assessed

- Applying safe dance practice
- Choreography
- Dance in the Community
- Dance technique and performance
- Ensemble Dance performance
- Global dance styles
- Leading Dance
- Repertory Dance performance
- Social Dance through the ages

What are the entry requirements?

5 GCSE's at grade A*-C including grade 4 in English and at least a Merit at Dance Level 2. If students have not completed Dance Level 2 or GCSE dance an audition will be arranged.

Why choose Level 3 dance?

This course is suitable for anyone wanting to peruse the arts or dance in higher education, or as support for any other course requiring good communication and group work skills. In addition to performing, choreographing and teaching this course might lead to such diverse careers as dance therapy or journalism. The skills you will learn are visual appreciation of dance and choreography, balanced judgement, information gathering and assessment, ability to work on your own or as part of a team and good communication.

Any questions relating to both dance courses please do not hesitate to email Miss Bilsby Subject Leader of Dance: bilsbyc@haileyburyturnford.com

DESIGN & TECHNOLOGY: ENGINEERING (A Level)

Duration: 2 years

What will I do on the course?

The A Level Engineering course covers the key knowledge and practical skills required in the Engineering sector and offers an engaging programme delivered over two years. Taught sessions consist of a range of student centred theoretical and practical activities contextualised to the engineering environment with a strong emphasis on independent discovery learning and team building.

Your key learning topics...

This course consists of a number of units and explores a wide range of topics from different engineering sectors. The combination of units/topics studied may vary but include...

- Health & Safety in the Engineering workplace
- Communication techniques for Engineers
- Exploring existing engineered products
- Mathematics for Engineers
- Engineering materials, components, manufacturing processes and techniques
- Manufacturing industries within the Engineering sector
- The global impact of manufacturing industries
- Designing and manufacturing engineered products and prototypes

How is it assessed?

25% Problem solving in Design Engineering written exam

25% Principles of Design Engineering written exam

50% Design and make coursework project

What are the entry requirements?

A grade 6 in GCSE Design & Technology or Merit in L2 Engineering backed up by level 5's in the core subjects. Science, Maths and good communication skills are essential in the Engineering sector and this must be reflected in the grades you achieve at GCSE.

Where will it take me?

There are many future careers within the Engineering sector linked to this subject such as: technicians, operators, chartered engineers

On successful completion of the Engineering Level 3 qualification, you can progress to employment and/or continue your study in the same or related vocational area.

What skills will I learn?

During the course you will develop a number of skills including...

- Working safely and effectively within the Engineering environment.
- Effectively communicating ideas and concepts.
- Working with and understanding the properties of materials and components.
- Skilful application of processes and techniques to engineer products and components.
- Using a wide range of industrial engineering/manufacturing processes.

Design & Technology Engineering works well alongside other subjects. If you want a career in Engineering/Product Design you might also consider Art & Design, Maths, Science, Business or Computing as companion A Levels.

DESIGN & TECHNOLOGY: PRODUCT DESIGN (A Level)

Duration: 2 years

What will I do on the course?

Working through the design process: You will learn about the design process as you apply your skills, knowledge and understanding to a real-life design project. Think about the objects that you love. Your mobile phone with its delicious curves as designed on a computer screen. The car you yearn for started life as a reduced size clay model. A building that you admire sprang from the drawing board of an architect. And it's not a new phenomenon. Our fascination with 3D design goes back to flint arrow heads and earthenware pots. As a 3D designer you are at the crossroads of a number of skills. Of course, you need creativity, in order to imagine the shape and function of the object. But you'll also need to know about manufacturing processes, materials and marketing.

Bringing ideas to life: 3D Design is an enormously satisfying career. You have an idea and - with the use of tools like clay or computers - it comes to life. Imagine how satisfying it must be for the person who designed the iPhone to hold the finished product in their hand.

Your key learning topics...

Your A Level studies cover four main topics... In 'Materials, components and application' - you'll look at materials, production processes and the impact of cost and design. In 'Learning through designing and making' you'll produce your own design with a range of materials and media. In the next unit you'll get to grips with 'Design and manufacture' - helping you to appreciate the relationship between design and technology, or form and function. 'Design and making in practice' is the practical, coursework part. You'll make an object and record the processes that you went through.

How is it assessed?

25% Technical principles written exam

25% Designing and making principles written exam

50% Design and make coursework project

What are the entry requirements?

A grade 6 in GCSE Design & Technology or Merit in L2 Engineering backed up by level 5's in the core subjects. Science, Maths and good communication skills are essential in the design sector and this must be reflected in the grades you achieve at GCSE.

Where will it take me?

3D design could take you into a number of exciting career paths. Of course, there's product or automotive design. But what about computer generated cartoons? Or maybe CAD for industry appeals to you more? This course could take you into architecture, teaching, manufacturing, advertising or engineering.

What skills will I learn?

Product Design will help you develop a number of skills:

- How to gather research and explore a topic
- How to investigate facts and use deduction
- How to put over your point of view fluently
- How to model and manufacture products
- How to work as a team to achieve results
- How to take responsibility for your own learning.

Design and Technology: Product Design goes well with other subjects. If you want a career in design you might also consider Art & Design, Business Studies, Computing or Electronics as companion A Levels.

DRAMA (Performing Arts Acting) (Vocational)

Duration: 1-2 Years

What will I do on the course?

BTEC courses are designed to provide vocational experience for students – you will work to develop both your Acting skills as well as your leadership skills.

Unit 2: Developing Skills and Techniques for a Live Performance

Unit 3: Group performance workshop

Unit 19: Acting Styles

Unit 1: Investigating Practitioners work

How is it assessed?

The grading will be a **Pass, Merit or Distinction**. At the end of the two year period when all units are complete the work will be internally verified and then an external verifier will come and grade the work.

BTEC Level 3 National grades convert to UCAS points, just like A-Levels.

What are the entry requirements?

Ability to perform to an audience, be self-motivated, you will also be required to take part in a Drama audition if you have not completed GCSE Drama. GCSE English grade 4 is also required.

Where will it take me?

Once you have completed your BTEC Course you can get a job or apprenticeship, use your qualification to develop your career in Performing Arts within a professional Drama school and/or continue studying to degree level at university.

BTEC National Diplomas are valued by employers and higher education (Universities & Colleges). Work could be in the following areas:

- Drama therapy
- Counsellor
- Drama Teaching or Primary teaching
- Educational Psychologist
- Arts and Journalism
- Law
- Author
- Director
- Managers
- Performing Arts college
- Manager of a Theatre

ECONOMICS (A Level)

Duration: 2 years

WHAT WILL I BE DOING?

A Level Economics will give you an excellent understanding of how economies allocate their scarce resources to meet the needs and wants of their citizens. You will develop a greater understanding of the economic problems which face individuals, firms and governments on a local, national and global level and the alternative ways these problems can be resolved.

WHAT TOPICS WILL I STUDY?

Microeconomics:

- the economic problem and economic methodology
- individual economic decision making
- price determination in a competitive market
- production, costs and revenue
- perfect competition, imperfectly competitive markets and monopoly
- the labour market
- the distribution of income and wealth: poverty and inequality
- the market mechanism, market failure and government intervention in markets.

Macroeconomics:

- the measurement of macroeconomic performance
- how the macroeconomy works
- economic performance
- financial markets and monetary policy
- fiscal policy and supply-side policies
- the international economy

HOW IS IT ASSESSED?

At the end of the two year course, you will sit three two hour written exams – each exam will be worth one third of the A-level. Paper one will cover markets and market failure, paper two will cover the national and international economy and paper three will draw on material from the whole course

WHAT ARE THE ENTRY REQUIREMENTS?

You will need a minimum of 5 GCSEs with grades 5+ including a grade 6 in English and Maths.

WHERE WILL IT TAKE ME?

An A-level in Economics will benefit you if you are looking to go on to study economics, business or finance at university. The skills you acquire will help you no matter what degree course you choose. You may choose to pursue a career in a directly related field such as banking or finance. The A-level course in Economics will stand you in good stead by giving you an insight and understanding of the economic forces that impact your day to day activities.

Alternatively, you may decide to follow a career path which isn't directly related to your course of study. The analytical and evaluation skills that you will have developed will be useful whatever path you choose in the future

If you have any questions about the qualification, then please do not hesitate to contact the Enterprise Faculty.

ENGLISH LITERATURE (A Level)

Duration: 2 years

INTRODUCTION: The AQA A-level English Literature Specification A course enables you to develop your interest and enjoyment in literary studies through reading widely, independently and critically. It is crucial that you love reading. You will broaden your understanding of genre and categorisation studying Shakespeare, modern drama, poetry and prose from both the pre-1900 and modern period.

WHAT TOPICS WILL I STUDY?

You will be examined on two plays, two collections of poetry and two novels. You will read and write about two further texts in your coursework.

In preparation for Paper 1, you will explore literature spanning over a number of centuries linked by the theme of love.

In preparation for Paper 2, you will explore the themes in literature from 1945 to the modern day.

In preparation for your coursework, you will study a text as a class and you will choose a text from your own independent reading to compare and focus on an area you have found interesting.

HOW IS IT ASSESSED?

There will be a mix of questions where you write about texts on their own or where you are comparing with another. For each exam question, you have around 50 minutes to write an essay answer (writing three for each paper). Each exam paper is worth 40% (exam element totalling 80%) and the coursework is the other 20% of the marks. You will be assessed on how well you write and structure an argument and you will be expected to analyse writers' methods and demonstrate an understanding of the significance and influence of the context in which texts are written and received.

In Paper 1, you will write about a Shakespeare Play, compare two unseen poems about love and compare a novel with an Anthology of poems.

In Paper 2, you will write about one of your three modern texts on their own before answering a question based on an extract (approximately two pages) from an unseen modern novel. Finally, you will answer a question comparing the two remaining modern texts.

Coursework is a 2500-word comparison essay.

WHAT ARE THE ENTRY REQUIREMENTS?

You should have achieved the minimum of Grade 6 in English Language and English Literature GCSE. However, two Grade 5s could be sufficient but there would need to be a discussion with the Director of English about the suitability to enter, as you are more likely to be able to meet the demands of this subject with higher grades. You must enjoy reading and be prepared to study a variety of challenging texts, these are prerequisites of this course.

WHERE WILL IT TAKE ME?

To University for a degree in English, English Literature, Creative Writing or media related subjects leading to careers in journalism, media, teaching and many more. English Literature goes well with history or politics. This course of study could lead to any job involving communication, writing and/or literary knowledge. These include: advertising, marketing, writing, journalism, law, consultancy, business, teaching, academia, government, linguistics, foreign languages, media and design.

If you have any questions about the qualification, then please do not hesitate to contact the English Department.

FRENCH (A Level)

Duration: 2 years

Introduction:

The psycholinguist Frank Smith once said “One language sets you in a corridor for life. Two languages open every door along the way.” This demonstrates one of the many ways that learning a language can help you in your future, whether it be the languages route, or languages being a tool that will be used alongside another in your future.

Why Languages?

There are many reasons to learn a language at A level for which there is not enough room here, but among the most important for you as a sixth former are that learning a language will make you stand out from the crowd – Russell Group universities look very favourably on linguists. You get to embrace the culture of your chosen language first hand, whether that is visiting the country and talking to natives, listening to the music, watching films or reading literature. Learning a language makes it much easier to study and work abroad as 75% of the world speaks no English. The list of reasons is endless!

Why French?

274 million people in the world are estimated to speak French, with 76.8 million of these being native speakers. French is an official language in France, as well as Switzerland, Canada, Belgium, Luxembourg and Monaco and is also spoken in parts of the middle east, Asia and Africa. This means you will be increasing the amount of people you can communicate with massively. France also has a rich culture and history as well as being a popular tourist destination.

What do I need?

You will need a minimum of 5 GCSEs (Level 9-4) including Level 5 in English and Level 5 in Maths. You will need to have at least a grade 6 in French.

GEOGRAPHY (A Level)

Duration: 2 years

WHAT WILL I DO ON THE COURSE?

The course will follow the AQA specification consisting of three human and three physical units, plus a range of geographical skills.

Fieldwork is a mandatory part of the A Level qualification contributing to the 'Individual investigation' which is 20% of the qualification.

HOW IS IT ASSESSED?

A level Geography will be assessed by 2 examined units, both 2 hours 30 minutes plus a non-examined individual investigation.

Unit 1	Unit 2	Individual investigation
Written examination (2 hours 30 minutes) <ul style="list-style-type: none">• Water and carbon cycles• Coastal systems• Hazards	Written examination (2 hours 30 minutes) <ul style="list-style-type: none">• Global systems and Global Governance• Changing places• Population and the environment	Non – examined assessment Students complete an individual investigation of 3000 – 4000 words, which must include data collected in the field, based on a question or issue defined and developed by the student relating to any part of the specification content.

WHAT ARE THE ENTRY REQUIREMENTS?

A minimum of 5 GCSE grades 5+. Ideally with a grade 5 or above in Geography, English and Maths GCSE.

WHERE WILL IT TAKE ME?

Geography is one of the most sought after qualifications by employers as it develops and enhances a broad range of key skills valued by employees such as literacy, numeracy, communication and collaboration.

Geography offers a range of career paths that include Tourism, Forestry, Planning, Business Management, Journalism, surveying, teaching, research and Civil Service, to name but a few.

HEALTH & SOCIAL CARE (Vocational)

Duration: 1 – 2 years

WHAT WILL I DO ON THE COURSE?

Choosing to study for a BTEC Level 3 National Health and Social Care qualification is a great decision to make for lots of reasons. It is an area to work in which gives many varied opportunities for you to make a difference to people's lives in a positive way. At the same time, you are gaining skills that you can transfer to other professions later; the opportunities are endless.

The BTEC National in Health and Social Care focuses on:

Education and training for health and social care employees
Work experience opportunities within the health and social care sector

The course will give learners the opportunity to develop a range of skills and techniques, personal skills and attributes essential for successful performance in working life.

Core Units

Unit 1 - Human Lifespan Development
Unit 2 - Working in Health & Social Care
Unit 5 - Meeting Individual Care and Support Needs

Optional Units

Unit 11 - Psychological Perspectives

HOW IS IT ASSESSED?

Units 5 & 11 will be assessed by the tutor once the student has provided evidence that demonstrates that they have met all the learning outcomes for the unit. The grading will be a Pass, Merit or Distinction. The work will be internally verified and then an external verifier will also grade the work.

Unit 1 & 2 are externally assessed, each with a 1hour 30minute exam paper, work 80, then 90 marks respectively.

All units must be achieved in order to pass the course.

Overall grades are awarded on a points basis and students can achieve grades, Pass, Merit, Distinction or Distinction*

WHAT ARE THE ENTRY REQUIREMENTS?

A minimum of 5 9-5 grades. An interest in health and social care is also an essential requirement. A grade 4 in GCSE English is essential.

WHERE WILL IT TAKE ME?

This course is an excellent preparation course for those who wish to pursue a career in the health and social sector. It is also useful for those who wish to study Health and Social Care at Diploma or the Extended Diploma Level. Amongst other career opportunities, this qualification is particularly useful for those who are considering a career in midwifery, nursing, managerial roles in the caring profession, community project worker, early years' practitioner and social worker.

HISTORY (A Level)

Duration: 2 Years

History is a linear A-level, this means that you will be assessed at the end of the two-year course. There are four units; three of which are assessed through exams and single coursework unit based on a topic of your choice.

WHAT WILL I DO ON THE COURSE?

Unit 1 (25%)

Britain 1930-1997

This unit consists of a depth study looking at Churchill 1930-1951 and a period study looking British politics 1951-1997.

This unit is assessed by an exam. You will need to answer a source-based question on the Churchill depth study and write an essay on the period study.

Unit 2 (15%)

Democracy and Dictatorships in Germany 1919–1963

This unit is assessed by an exam. You will need to complete two essays on this topic.

Unit 3 (40%)

Popular Culture & the Witchcraze of the 16th and 17th Centuries

This unit consists of a thematic study of the witchcraze in the 16th and 17th centuries and depth studies on the witch hunts in Southern Germany, Salem and England.

This unit is assessed by an exam. You will need to answer an interpretations-based question on one of the depth studies and write two essays on the thematic study.

Unit 4 (20%)

Coursework

For this unit you will need to produce a piece of coursework based around an area of historical debate.

WHAT ARE THE ENTRY REQUIREMENTS?

GCSE History grades 9-5 are required to take History at A Level. Strong literacy skills are expected from all students.

GCSE English level 5 is also essential

WHERE WILL IT TAKE ME?

In addition to the large range of varied and interesting university courses open to candidates with History A Level, many careers welcome the trained minds of historians, for example:

Architecture, Museum Work, Economist, Teacher, Film and Television, Social Work, Publisher, Solicitor, Civil Service, Law, Diplomatic Service or Journalism.

ICT (Vocational)

(Equivalent to 1 A-Level Grade)

Duration: 2 Years

WHAT WILL I DO ON THE COURSE?

- This qualification is designed for students who are interested in an introduction into the study of creating IT systems to manage and share information alongside other fields of study, with a view to progressing to a wide range of higher education courses, not necessarily in IT.

COURSE OUTLINE

- The objective of this qualification is to give students the opportunity to develop their knowledge and skills in IT systems, systems management and social media in business. This will enable students to progress to further study in the IT sector or other sectors.

Students will study three mandatory units:

Unit 1: Information Technology Systems (written exam)

Unit 2: Creating Systems to Manage Information (task set and marked by Pearson)

Unit 3: Using Social Media in Business (assignment set and marked internally)

And one optional unit:

Unit 5: Data Modelling (assignment set and marked internally)

This will allow progression to a variety of degrees when combined with other suitable Level 3 qualifications.

HOW IS IT ASSESSED

- Assessment is specifically designed to fit the purpose and objective of the qualification. It includes a range of assessment types and styles suited to vocational qualifications in the sector. There are three main forms of assessment that you need to be aware of: external, internal and synoptic.

ENTRY REQUIREMENTS

This will require a Merit in L2 DIT and 5 other GCSEs at grade 9-5 or equivalent

WHERE WILL IT TAKE ME

- The intended destinations for students successfully achieving these qualifications include: BTEC Higher National Certificate/Diploma in Computing and Systems Development, apprenticeships, university.

MATHEMATICS (A Level)

The main reason for studying Mathematics to an Advanced level is that it is interesting and enjoyable. Students like its challenge, clarity, and, the fact that the solution to a problem has an exciting and satisfied feeling. Moreover, a Mathematics qualification beyond GCSE is always highly regarded by university admissions and by employers. In fact, there are many courses at university which require a student to have Mathematics at A Level.

Students should also be aware of the wide importance of Mathematics and the way in which it is advancing at a spectacular rate. Mathematics is about pattern and structure; it is about logical analysis, deduction, and, calculation within these patterns and structures. Mathematics has a pervasive influence on our everyday lives and contributes to the wealth of a country.

Through your AS and A Level studies of Mathematics, you will not only discover new areas of Mathematics also explores and develops a further understanding of your GCSE knowledge of Mathematics. It is vital that you approach your studies with an open attitude and put in the time and effort expected in order to succeed.

The study of Mathematics can satisfy a wide range of interests and abilities. It develops the imagination. It trains a student in clear and logical thought. It is a challenge! Yet, it also has a fundamental continuing drive to simplification, to finding the right concepts and methods to make difficult things easy, to explaining why a situation must be as it is.

For these reasons, Mathematicians are increasingly in demand in fields such as Finance, Statistics, Engineering, Computing, Accountancy and Teaching! This flexibility is even more important nowadays, with the considerable uncertainty as to which areas will be the best for employment in future years – the most recent surveys show graduates in Mathematics and Computer Science at the top of the earning lists six years after graduation!

This subject will suit you if:

- You find Mathematics an interesting subject and enjoy problem solving;
- You want to be challenged and stretched by studying more difficult topics;
- You have a logical mind and want to develop your reasoning abilities.
- You are planning to study either Mathematical Sciences or a related degree at university.

WHAT ARE THE ENTRY REQUIREMENTS?

For A Level Mathematics, you will usually need a Grade 7 or above in GCSE Mathematics

Units of Study:

- **Pure Mathematics:** Students will further their understanding of Algebra, Geometry, and, Trigonometry. In addition, students will begin the study of Calculus.
- **Statistics:** Students will further their understanding of the collection, presentation, and, analysis of data. This unit is particularly suitable for students studying Biology, Geography, Psychology and Social Sciences.
- **Mechanics:** This uses techniques in Mathematics to study the behaviour of bodies (cars, trains, missiles, tennis balls, etc.) and structures when certain forces are acting on them. These units are often taken by students who are also studying A-Level Physics

AS Further Mathematics

Further Mathematics is an additional AS or A Level qualification to the standard AS or A Level Mathematics. Mathematics and Further Mathematics combine well with most other subjects, particularly the Sciences (incl. Social Sciences), Business, Economics, IT and Computing.

For AS Further Mathematics, you will usually need a Grade 7 or above in GCSE Mathematics.

Units of Study:

- **Further Pure Mathematics:** New topics are introduced, such as, Complex Numbers, Polar Co-ordinates, Hyperbolic Functions, and, Matrices. In addition, topics such as Calculus and Proof, from AS Mathematics, are extended.
- **Statistics:** Students will further their understanding of the collection, presentation, and, analysis of data. This unit is particularly suitable for students studying Biology, Geography, Psychology and Social Sciences.
- **Mechanics:** This uses techniques in Mathematics to study the behaviour of bodies (cars, trains, missiles, tennis balls, etc.) and structures when certain forces are acting on them. These units are often taken by students who are also studying A-Level Physics

PHYSICAL EDUCATION – (A Level)

Duration: 2 years

What will I do on the course?

The A-Level PE course follows the AQA specification which builds on the knowledge learnt in GCSE PE. This qualification is linear. Linear means that students will sit all their exams and submit all their non-exam assessment (practical grades) at the end of the course in year 13. There are two exam papers and you will be assessed in one sport.

Paper 1: Factors affecting participation in physical activity and sport

What's assessed?

Section A: Applied anatomy and physiology

Section B: Skill acquisition

Section C: Sport and society

How it's assessed?

Written exam: 2 hours

105 marks

35% of A-level

Questions will be a mix of multiple choice, short answer and extended writing.

Paper 2: Factors affecting optimal performance in physical activity and sport

What's assessed?

Section A: Exercise physiology and biomechanics

Section B: Sport psychology

Section C: Sport and society and technology in sport

How it's assessed?

Written exam: 2 hours

105 marks

35% of A-level

Questions will be a mix of multiple choice, short answer and extended writing.

Non-exam assessment: Practical performance in physical activity and sport

What's assessed?

Students assessed as a performer or coach in the full sided version of **one activity**.

Plus a written/verbal analysis of performance.

How it's assessed?

Internal assessment, external moderation

90 marks

30% of A-level

What are the entry requirements?

A minimum of Sport or '6' at GCSE Physical Education is essential and a '6' in Science would be recommended.

Where will it take me?

There are a number of sports-based options. These include:

Further education courses: Sports-based degree courses at university e.g. sport studies, sport science, physiotherapy

Potential careers include: Physiotherapist, Osteopath, Sports Rehabilitation, Sports coach, Analyst, fitness professional, leisure industry careers, PE teacher or lecturer.

PHYSICS (A Level)

Duration: 2 Years

Year 12 content...

- 1 Development of practical skills in physics
- 2 Foundations in physics
- 3 Forces and motion
- 4 Electrons, waves and photons

Year 13 content...

- 5 Newtonian world and astrophysics
- 6 Particles and medical physics

WHAT WILL I DO ON THE COURSE?

Forces and motion form a central part of every physicist's understanding of the Universe around us. You will therefore learn how to mathematically model the motion of objects in order to develop your understanding of the effects forces have on objects and the connection between force and energy.

Quantum physics is thought by many to be one of our greatest ever achievements. It allows us to predict accurately what happens on the tiniest of scales, scales much smaller than the size of an atom. To help you understand the ideas involved, we start by looking at the electron and how it behaves in circuits. We then move on to an exploration of wave properties before ending with quantum physics.

Newtonian mechanics has had an incredible impact on physics for over three hundred and fifty years. You will delve more deeply into some of the areas involved, such as looking at the orbits of stars and planets, to the microscopic interactions that cause pressure in gases.

Physics is the study of all things great and small, so the final topics in the second year of study focus on particles. You will study capacitance, electric fields, electromagnetism, nuclear physics, particle physics and medical imaging.

WHAT ARE THE ENTRY REQUIREMENTS?

Students wishing to take this course should have obtained a 6 in Science or a grade 6 in Physics at GCSE and also must have a minimum of a level 7 in Mathematics.

WHERE WILL IT TAKE ME?

A-level Physics opens up a wide range of opportunities. It is a very highly regarded qualification as employers view a successful Physicist as logical and a problem solver. It is also an excellent stepping stone into a vast array of university qualification including Sciences and Engineering.

PSYCHOLOGY (A Level)

Duration: 1-2 Years

WHAT IS PSYCHOLOGY?

Psychology is the science of the mind and behaviour. It is a popular A' level option and complements a wide number of other arts and science subjects.

Psychologists investigate the way humans and other animals think and behave. All students study the psychology of memory, attachment in early childhood, social influence, psychopathology and different approaches in understanding human behaviour. In addition, you will learn about the kinds of research methods that psychologists use, taking part in psychological experiments and carrying out psychological research of your own.

The full A' level in psychology allows students some choice over three topics to explore in greater detail. Options include the psychology of relationships, the development of gender identity, the development of thinking and reasoning; schizophrenia, eating behaviour and disorders, the psychology of stress and stress management; the psychology of aggression, forensic psychology and the psychology of addiction. You'll also learn about the nervous system, and some of the medical techniques used to map the brain.

WHAT IS INVOLVED IN STUDYING PSYCHOLOGY?

The subject deals with human behaviour and attempt to find the reasons behind human thoughts and actions. A psychology student should approach the subject with a critical, open mind and appreciate that scientific theories require robust evidence. There is a lot of new terminology with sometimes complex scientific names, so it is important that students keep up with background reading and making summary notes in order to help consolidate their understanding.

Psychology lessons frequently involve challenging class discussions on the problems and issues raised by psychological research, applying and evaluating psychological theories, experimental practical work in lessons and as part of independent research projects, and sometimes individual or group presentations of material researched outside of lessons.

WHERE WILL PSYCHOLOGY TAKE ME?

Psychology can lead to a variety of careers. Psychologists work in a variety of settings; e.g. clinical, forensic, educational, sports, business. But psychology is also relevant to a large number of other careers; education and teaching, social work and social care, psychiatry and medicine, media and journalism, to name but a few.

HOW IS THE COURSE ASSESSED?

We will follow the AQA Psychology specification.

Psychology is entirely assessed by exam – there is no coursework component to the course.

A' level psychology is assessed by three, 2-hour exams – each worth one third of the A' level

All of the exams involve a mixture of multiple-choice, short answer and extended writing (short essay) questions.

WHAT ARE THE ENTRY REQUIREMENTS?

Students need to have achieved a minimum of level 5 in English language, a level 5 in Maths and a level 5 in at least one of the Sciences.

APPLIED SCIENCE (Vocational)

Duration: 1-2 years

WHAT WILL I BE DOING?

The aim of this course is to provide a broad scientific knowledge for students interested in continuing their science education and possibly looking for careers in science related industry. This course is suitable for students who enjoy a wide variety of learning styles. As it is partly portfolio based, there is the opportunity to make use of your strengths and look for support on your weaknesses.

WHAT TOPICS WILL I STUDY?

In the first year the following units will be studied:

Unit 1: Principles and Applications of Science

Students are required to sit 3 x 40-minute written exams which are worth 90 marks in total. The exam is split into three equal sections (Biology, Chemistry and Physics).

Unit 2: Practical Scientific Procedures and Techniques

Students will be introduced to quantitative laboratory techniques, calibration, chromatography, calorimetry and laboratory safety, which are relevant to the chemical and life science industries. In the second year the following units will be studied:

Unit 3: Principles and Applications of Science (25%) external exam

This unit covers some of the key science concepts in Biology, Chemistry and Physics.

Unit 10: Biological Molecules and Metabolic Pathways

This unit covers biological molecules and the metabolic pathways involved in chemical reactions to enable organisms to function normally.

HOW IS IT ASSESSED?

The course is assessed both internally (42%) and externally (58%). The Unit 1 external assessment is a written exam covering fundamental topics in all three sciences. The Unit 3 exam is a practical exam and consists of two parts; Part 1, completing the practical and analysing results and Part 2, a written paper on practical skills.

WHAT ARE THE ENTRY REQUIREMENTS?

You will need a minimum of 5 GCSEs with grades 4+ including grade 4-4 in GCSE Science, and grade 4 or above in GCSE Maths.

WHERE WILL IT TAKE ME?

Many students who study the BTEC route consider a career in the research science field, or as a technician. However, with the relevant work experience students could progress on to careers in management, teaching or higher-level research. Other possible career paths could include Forensics, Food Manufacturing, Environment and Conservation, Animal Health and Breeding, Engineering and Aerospace.

If you have any questions about the qualification, then please do not hesitate to contact the Science Department.

SOCIOLOGY (A Level)

Duration: 2 years

WHAT WILL I DO ON THE COURSE?

Sociology AS/A2 Level is an exciting and stimulating field of study that analyses key moments in our personal lives, our communities and our world. The study of sociology can awaken what the American sociologist C. Wright Mills called "the social imagination." This refers to the ability to become aware of the important relationship between individual experience and the wider society. You will learn to study people and the roles they play in society, both as individuals and in groups, as well as how Sociologists attempt to fix problems in societies. Sociology covers a wide range of topics including: Race and Racism, Crime and Social Regulation, Social Policy, Family, Work, Gender, Education, Social Organizations, Culture, Poverty, Social Interaction, Socialization, Social Demography and Criminal Justice Systems.

AS LEVEL SOCIOLOGY - 1 Year

You will follow the AQA specification. This involves studying:

Unit 1: Education and Research Methods

Unit 2: Families and Households and Methods in Sociology.

Both exams are one hour 30 minutes and are worth 60 marks. It is 50% of your AS level grade. The paper consists of short answers and extended writing.

Some of the key questions you will be looking at during this course: What is the role of the education system? Why do some social groups do better than others in school? What factors affect how well a pupil does at school? Why have the marriage and divorce rates changed? How have gender roles changed over the years? How do Government policies help families in poverty?

A LEVEL SOCIOLOGY – 1 year

Unit 1: Education with Theory and Methods.

Unit 2: Topics in Sociology – Families and Households and Beliefs in Society

Unit 3: Crime and Deviance with Research Methods

All exams are 2 hours long, they are worth 80 marks and are worth 33.3% of your final A-Level grade. The exams consist of shorter questions and extended writing.

Some of the questions you will be looking at during the course: How do Government policies help underachieving students? How are changes in the educational system affecting pupil progress? How do Sociologists use data to inform their research? How has power changed within the family? What is a cult? What is the relationship between social groups and religious beliefs? How do Government policies regulate criminal behaviour? What is the link between gender and crime?

WHAT ARE THE ENTRY REQUIREMENTS?

A GCSE level 5 or above in English Language and four other GCSE's Grade 5 or above. A strong evidence of literacy skills is desirable.

WHERE WILL IT TAKE ME?

A Level Sociology can be the first step towards degree-level study of sociology and many other subjects.

Degree-level study of Sociology could lead to jobs such as:

Social or youth worker

Community development worker

Family support worker

International aid/development worker

Social researcher

The study of sociology is also valuable in fields such as politics, the civil service, education, HR, marketing and media. In the workplace, you'll find your A Level Sociology will demonstrate to employers that you have the ability to commit to learning, a good understanding of people, and excellent reasoning and analytical skills - essential in practically every walk of life.

Duration: 2 years

Introduction:

The psycholinguist Frank Smith once said "One language sets you in a corridor for life. Two languages open every door along the way." This demonstrates one of the many ways that learning a language can help you in your future, whether it be the languages route, or languages being a tool that will be used alongside another in your future.

Why Languages?

There are many reasons to learn a language at A level for which there is not enough room here, but among the most important for you as a sixth former are that learning a language will make you stand out from the crowd – Russell Group universities look very favourably on linguists. You get to embrace the culture of your chosen language first hand, whether that is visiting the country and talking to natives, listening to the music, watching films or reading literature. Learning a language makes it much easier to study and work abroad as 75% of the world speaks no English. The list of reasons is endless!

Why Spanish?

With 477 million native speakers and 572 speakers in total as first or second language, the figures speak for themselves. You will be learning the language of Spain, a country with a rich history and culture that is a key player in Europe government and in European tourism. Spanish is spoken by 49% of Latin America which is an exciting, fascinating place to visit and has one of the fastest growing economies in the world.

What do I need?

You will need a minimum of 5 GCSEs (Level 9-4) including Level 5 in English and Level 5 in Maths. You will need to have at least a grade 6 in Spanish.

Why Study This Course?

The course enables you to develop your linguistic skills alongside your understanding of the culture and society of the countries where Spanish is spoken.

You will study technological and social change, looking at the multicultural nature of Hispanic society. You will study highlights of Hispanic artistic culture, including a focus on Spanish regional identity and the cultural heritage of past civilisations. You will learn about aspects of the diverse political landscape of the Hispanic world. You will explore the influence of the past on present-day Hispanic communities.

Throughout your studies, you will learn the language in the context of Hispanic countries and issues and influences which have shaped them. You will also study texts and film in the target language.

Assessment tasks will be varied and cover listening, speaking, reading and writing skills.

SPORTS STUDIES (Vocational)

What will I do on the course?

A Cambridge Technical (CTEC) in Sport Studies is a level 3 coursework and external assessment-based subject. You learn by completing projects and assignments that are based on realistic workplace situations, activities and demands. As well as learning about the subject area you have chosen, you develop the skills you need to start a career.

It is equivalent to one A-level which means when you have finished the course you can choose whether to look for employment or to go onto higher education.

The Cambridge Technical Level 3 in Sport and Physical Activity at Haileybury Turnford will last for two years.

What will I study?

Level 3 Cambridge Technical in Sport and Physical Activity – Extended Certificate - Single)

Unit No.	Title	Assessment Method	Year of study
1	Body systems and the effects of physical activity	Exam	First Year (2019-2020)
2	Sports coaching and activity leadership	Coursework	
3	Sports organisation and development	Exam	Second year (2020-2021)
17	Sports injuries and rehabilitation	Coursework	
18	Practical skills in sport and physical activities	Coursework	

How is it assessed?

The course is broken down into units. Most units are assessed through coursework and then graded as a pass, merit or distinction. From September 2019 there will also be mandatory external assessments. These are smaller exams that assess your knowledge in specific areas. An overall grade for the qualification is then awarded.

What are the entry requirements?

As well as having at least five GCSEs at grades 9-4 you will normally need to have at least one of the following: a grade 5 in GCSE PE, a 4 in English and a 4 in science.

Where will it take me?

CTEC's are valued by employers and higher education (universities and colleges).

If you want to look for employment you could work in Sports Centres, Leisure Centres or Outdoor Activities Centres

If you decide to go to university or college you could take a degree or a BTEC Higher National in subjects such as Sports Studies, Leisure Management, Recreation Management or Teacher Training.