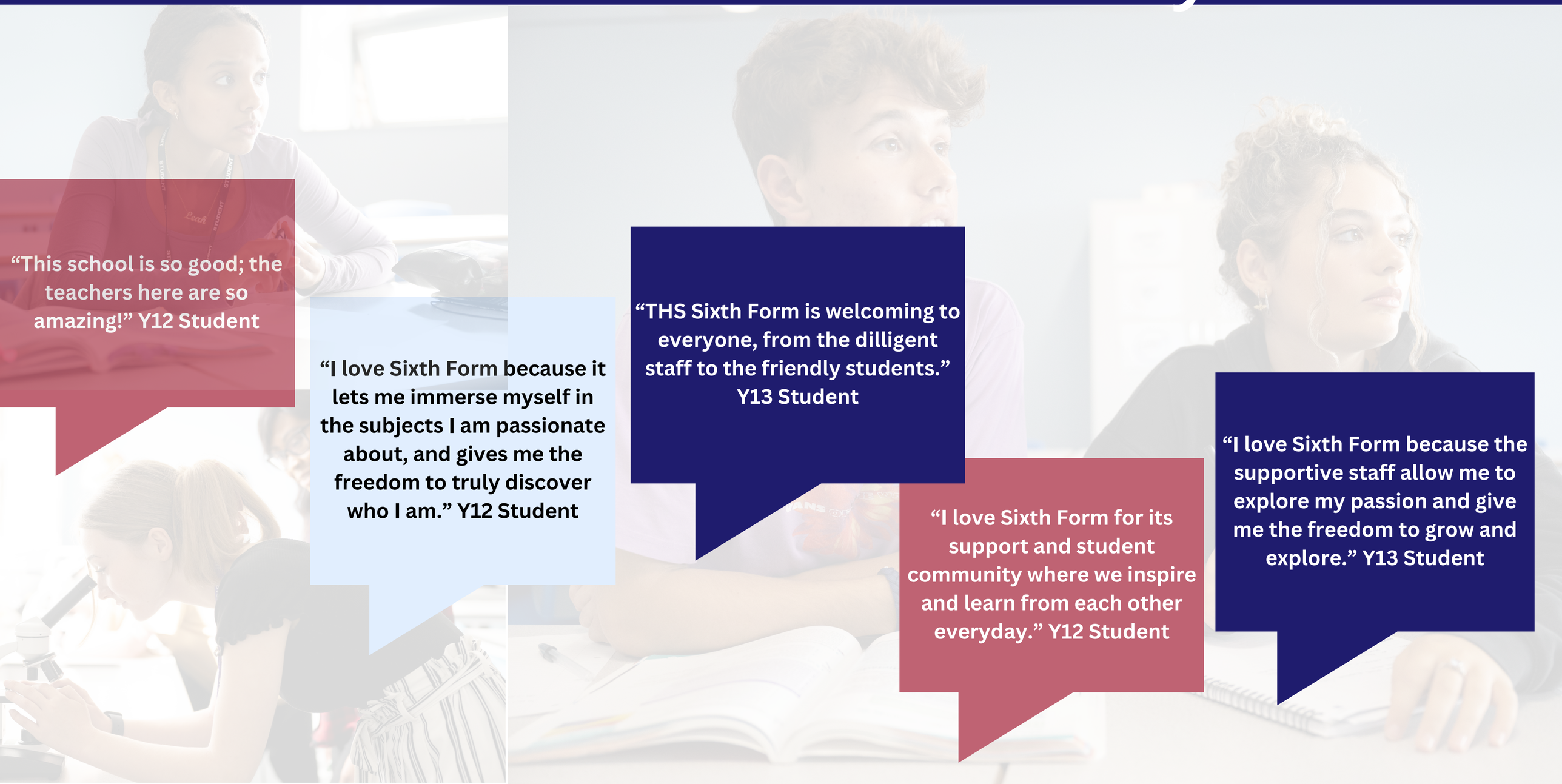
Turing House 6th Form

Course Guide

6th Form Turing House

What our students say...



"This school is so good; the teachers here are so amazing!" Y12 Student

"I love Sixth Form because it lets me immerse myself in the subjects I am passionate about, and gives me the freedom to truly discover who I am." Y12 Student

"THS Sixth Form is welcoming to everyone, from the dilligent staff to the friendly students." Y13 Student

"I love Sixth Form for its support and student community where we inspire and learn from each other everyday." Y12 Student

"I love Sixth Form because the supportive staff allow me to explore my passion and give me the freedom to grow and explore." Y13 Student

Tips for choosing your course

1. Check that you meet the entry requirements

2. Choose a course that you enjoy, not because your friends are doing it

3. Choose a course you will be successful at

4. Look at the apprenticeship website to see if there are any requirements you might need for this pathway

5. Look at the UCAS website to see if any Post-18 courses require certain subjects

6. Find out the assessment methods - do they meet your skill set?

7. Speak to the staff in the school

8. Most courses require three good grades, so think carefully before overloading yourself

9. Medicine is for the best of the best, some courses require entry examinations e.g. BMAT, LMAT, UKCAT

10. There are no easy Level 3 courses. A minimum of five hours additional study per week is the minimum requirement!

To study at THS, students will need to have achieved a minimum entry requirement of 5 GCSEs graded at 5 and above, including a grade 5 in English and Maths.

We also offer BTEC vocational courses which are equivalent to an A Level.

Please note that courses run on a minimum student basis, and it cannot be guaranteed that all courses will run until enrolment day. If you require further information, please email: sixthform@turinghouseschool.org.uk

For the latest information, visit the website at: www.turinghouseschool.org.uk

A Level

Course	Requirements
Art ,Craft and Design	Grade 6 GCSE Art Passion for Art
Biology	Grade 6 in GCSE Biology or two Grade 6s in GCSE Trilogy (Combined Science) Grade 6 or above in Mathematics would be beneficial
Business	Grade 5 in GCSE Mathematics Grade 5 in GCSE English Language
Chemistry	Grade 6 in GCSE Biology or two Grade 6s in GCSE Trilogy (Combined Science) Grade 6 or above in Mathematics would be beneficial
Computer Science	Grade 5 in GCSE Mathematics
Design & Technology	Grade 6 in GCSE Design & Technology or Grade 6 GCSE Art and Design
Economics	Grade 6 in GCSE Mathematics Grade 6 in GCSE English Language

A Level

Course	Requirements
English Literature	Grade 6 in English Language Grade 6 in English Literature A genuine passion for the written word
EPQ	Particularly recommended for students who are thinking of applying to university courses with highly competitive entry requirements
Further Maths	Grade 8 in GCSE Mathematics A Level Mathematics must be taken too
Geography	Grade 6 in GCSE Geography Grade 5 in Mathematics.
History	Grade 6 in GCSE History Grade 5 in English Language or Literature A genuine interest in History
Mathematics	Grade 7 in GCSE Mathematics
Media Studies	Grade 5 in GCSE English Language
Music	Grade 6 in GCSE Music Grade 4/5 Music Theory Grade 6 instrumental skill

A Level

Course	Requirements
Physics	Grade 6 in GCSE Biology or two Grade 6s in GCSE Trilogy (Combined Science) Grade 6 or above in Mathematics would be beneficial
Politics	Grade 6 in GCSE English Language or Literature Grade 5 in History
Psychology	Grade 5 in GCSE Mathematics Grade 6 in GCSE English Language
Sociology	Grade 5 in English Language / Literature Grade 5 in Mathematics
Spanish	Grade 6 in GCSE Spanish A love of languages, other cultures and the diversity of the world
Theatre Studies	Grade 6 in GCSE Drama Grade 5 GCSE English Literature A level of confidence to perform and a passion for performing, watching and creating theatre

Vocational

Course	Requirements
BTEC Applied Science	5 x GCSE pass grades
BTEC Health and Social Care Level 3 (1 A Level)	Requires an interest in, and commitment to, working with people and caring for them
BTEC IT Level 3 (1 A Level)	GCSE Computing would be beneficial
Sports studies Level 3 (1 A-level)	Grade 5 in GCSE English Language and Literature. Preferable to have studied GCSE, BTEC or Cambridge National in Sport at GCSE, but isn't a requirement. Requires practical sporting ability and an interest in Sport Science

Business

"The best way to predict the future is to create it." Peter Drucker

Why should I study Business?
Business Studies A Level is a great choice for anyone interested in the world of commerce and entrepreneurship. It's a great way to prepare for university courses in the fields of business and management, and to equip yourself with the know-how to start up your own business or follow a career in finance, accounting, marketing or management post university. Through Business Studies A Level, you'll engage with the world of business through the context of current business developments and real business situations. You'll learn how management, leadership and decision-making can improve performance in marketing, operational, financial and human resources. You'll also explore the interrelated nature of business activities and how they affect businesses, be they large or small, UK or internationally focused and in different sectors, such as service or manufacturing

What does the course look like?
Content is split in to 10 modules:
Module 1 What is business?
Module 2 Managers, leadership and decision making
Module 3 Marketing management
Module 4 Operational management
Module 5 Financial management
Module 6 Human resource management
Module 7 Analysing the strategic position of a business
Module 8 Choosing strategic direction
Module 9 Strategic methods: how to pursue strategies
Module 10 Managing strategic change

How will I be assessed?
Paper 1 - written exam: 2 hours • 100 marks in total • 33.3% of A Level
Paper 2 - written exam: 2 hours • 100 marks in total • 33.3% of A Level
Paper 3 - written exam: 2 hours • 100 marks in total • 33.3% of A Level

How will I learn?
The course features a wide range of teaching and learning approaches and methods, from interactive classroom study, group tasks to private study and research. Almost all daily news headlines, for example, have a business theme if you look hard enough. You will be encouraged to research such topics using journals, newspapers, websites and other resources. Discussion and debate are an important element of lesson activity developing skills of evaluation and judgement.

What kind of things might it lead to?
You will have developed data-handling and writing skills which are transferable to both university and employment.
You might want to study a degree in Economics, Business Economics, International Business, Marketing and Business Management.
You might progress to a wide range of sectors including finance, education, law, business, journalism or the public sector.

Chemistry

'Every aspect of the world today – even politics and international relations – is affected by chemistry' Linus Pauling

Why should I study Chemistry?
Chemists use their experiments and knowledge to develop medicines, foods, fabrics and other materials, from neon lights to shatterproof glass. They also use it to understand the world around us, from why leaves change colour to discovering invisible pollutants in the air. Chemistry is sometimes known as the 'central science' because it helps to connect physical sciences, like mathematics and physics, with applied sciences, like biology, medicine and engineering. It is an essential subject for the study of many different medical, environmental and pharmaceutical related degrees.

Studying Chemistry develops your understanding of the subject but also develops many transferable skills:
Practical and investigative skills
Problem solving
Organisation
Analytical skills
Decision making
Mathematical skills
Research, referencing and reporting

What does the course look like?
Content is split in to 6 teaching modules:
Module 1 Development of practical skills in chemistry
Module 2 Foundations in chemistry
Module 3 Periodic table and energy
Module 4 Core organic chemistry
Module 5 Physical chemistry and transition elements
Module 6 Organic chemistry and analysis

How will I be assessed?
Paper 1 - written exam: Periodic table, elements and physical chemistry • 2 hours 15 Mins • 37% of A Level
Paper 2 - written exam: Synthesis and analytical techniques • 2 hours 15 Mins • 100 marks in total • 37% of A Level
Paper 3 - written exam: Unified chemistry • 2 hours • 100 marks in total • 33.3% of A Level
Paper 4 - practical endorsement in Chemistry • non-exam assessment • reported separately

How will I learn?
The course features a wide range of teaching and learning approaches and methods; from practical work to interactive classroom study, group tasks to private study and lab based practical activities. There will be plentiful opportunities for consolidating and extending learning outside of the classroom.

What kind of things might it lead to?
Doing an A Level in chemistry can open many doors for you in the future. It is seen as a challenging, academic and rigorous A Level that will impress universities/employers. It can lead to many careers in healthcare such as medicine, pharmacy and dentistry, the biological sciences, physics, mathematics, pharmacology and analytical chemistry. Many law applicants also take chemistry as it shows you can cope with difficult concepts. Chemistry is required to study Veterinary Medicine, Dentistry or Medicine - universities usually ask for an A grade.

Art, Craft and Design

“Practising an art, no matter how well or badly, is a way to make your soul grow.” Kurt Vonnegut

Why should I study Art, Craft and Design?
Part of the joy of a school Art course is that you don’t just study Art: you make it. Those who are skillful, driven and passionate – and produce high quality, gut-wrenching work – are in a position to achieve recognition. The proliferation of multi-media forms has changed and enriched the creative process and made it more accessible, dynamic and challenging.

A Level Art, Craft and Design will provide you with the opportunity to develop personal responses to ideas, observations, experiences, environments and cultures in practical, critical and contextual forms.

Art enhances fine motor skills, hand-eye coordination, problem solving skills, lateral thinking, complex analysis and critical thinking skills. No matter what career you choose, those who can arrange, present and display material in a way that is aesthetically pleasing will always have an advantage.

What does the course look like?
Through an interactive workshop and studio environment there will be the opportunity to build upon existing techniques and experiment with a wide range of traditional and new media. Outside of the classroom there will be excursions to document from first-hand; through drawing and photography, participation in life-drawing classes and visits to amazing exhibitions.

How will I learn?
The course features a wide range of teaching and learning approaches and methods, from skills workshops, one to one tutorial, group critiques, private study and interaction with practicing artists.

How will I be assessed?
Component one • is a personal investigation • 60% of the A Level
Component two • is an externally set assignment • 40% of the A Level

What kind of things might it lead to?
Art continues to be a desirable option for those wishing to pursue ‘traditional’ creative careers, such as Architecture, Interior Design or Painting / Fine Art related professions. In addition, the internet has seen an explosion of exciting new roles emerge; with a surge in demand for multimedia artists, animators, and illustrators who know how to use technology to create things of beauty. London is a city with a thriving arts scene with some of the best galleries in the world, and we will be tapping into this rich cultural heritage as a key part of the A Level course.

Biology

“It is not the strongest of the species that survive, nor the most intelligent, but the one most responsive to change.” Charles Darwin

Why should I study Biology?
Biology plays an important role in understanding all forms of life and the interactions between them. Biologists are scientists who study the natural world and all the living things in it, from the largest mammals down to our very own microscopic DNA.

Biologists use this knowledge to do try to stop the spread of disease, discover natural resources, improve medicines and healthcare, carry out conservational work and establish the true impacts of human actions on our biodiverse world. They all consider how society makes decisions about scientific issues and how science contributes to the economy.

Studying biology develops your understanding of the subject but also develops many transferable skills:
Practical and investigative skills
Problem solving
Organisation
Analytical skills
Decision making
Mathematical skills
Research, referencing and reporting

What does the course look like?
Content is split in to 6 teaching modules:
Module 1 Development of practical skills in biology
Module 2 Foundations in biology
Module 3 Exchange and transport
Module 4 Biodiversity, evolution and disease
Module 5 Communication, homeostasis and energy
Module 6 Genetics, evolution and ecosystems

How will I learn?
The course features a wide range of teaching and learning approaches and methods from practical work to interactive classroom study, group tasks to private study and laboratory based practical activities. Outside of lessons there are opportunities for trips and to undertake fieldwork.

How will I be assessed?
Paper 1 - written exam: Biological processes • 2 hours 15 Mins • 37% of A Level
Paper 2 - written exam: Biological diversity • 2 hours 15 Mins • 100 marks in total • 37% of A Level
Paper 3 - written exam: Unified biology • 2 hours • 100 marks in total • 33.3% of A Level
Paper 4 - practical endorsement in Biology • non-exam assessment • reported separately

What kind of things might it lead to?
Biology is a key subject for lots of STEM (Science Technology Mathematics) careers, particularly in healthcare, medicine and jobs involving plants or animals. The list is long and includes nursing, dentistry, forensic science, psychology, physiotherapy, botany, environmental science, zoology, geology, oceanography, pharmaceuticals, energy, teaching, science writing, genetics and research.

Computer Science

"What a computer is to me is the most remarkable tool that we have ever come up with. It's the equivalent of a bicycle for our minds." Steve Jobs.

Why should I study Computing?
According to MIT "we are heading towards a period of exponential change and unprecedented technological development". Oxford University research suggests that high-earning jobs in the white collar sector are five times more likely to be automated in the next 20 years. Two thirds of the current generation of students will be employed in careers that do not exist yet. A high-quality computing education equips students to use computational thinking and creativity to understand and change the world.

What does the course look like?
Content of Computer Systems (Component 01): Internal workings of the Central Processing Unit (CPU), the exchange of data. Software development, data types and legal and ethical issues. The topic learnt in this unit will be important when studying computational thinking, developing programming techniques and the Programming project.

Algorithms and problem solving (Component 02): This component builds on the knowledge and understanding gained in the Computer Systems component (01), particularly computational thinking being able to use computational methods to solve problems.

Programming Project (Component 03): Analysis of the problem; design of the solution; implementation of the solution in a suitable programming language and evaluation.

Assessment Overview:
Computer Systems • written paper • 2 hour 30 minutes • 40% of A Level
Algorithms & Programming • written paper • 2 hour 30 minutes • 40% of A Level
Programming Project • Non-Examined Assessment • 20% of A Level

How will I learn?
The course features a wide range of teaching and learning approaches including interactive classroom study, lectures and group tasks. There will be a focus on programming which emphasises the importance of computational thinking as a discipline that will require significant independent and/or private study and research. By putting computational thinking at its core, you will develop the skills to solve problems, design systems and understand human and machine intelligence.

There will be exciting opportunities to apply the academic principles learned in the classroom to real world systems including in the style of the Makers Movement and wider STEM initiative with Arduinos, Robotics, Raspberry Pi and Makers Movement.

What kind of things might it lead to?
Computing is a core subject, welcomed by universities and employers. Whether you choose Computing, Engineering or a traditional science such as Geography, you will find that computational thinking is a vital skill. It shows that you are capable of intense analytical thought that allows you to deconstruct problems before writing algorithmic solutions and finally evaluating your solution. It provides access to a wide and disparate range of degree courses.

Design & Technology

"Have no fear of perfection—you'll never reach it." –Salvador Dali

Why study Design and Technology?
Do you love solving problems and being creative? Or maybe you keep coming up with great ideas? If that's the case, studying Design and Technology could be for you. The subject can open you up to a number of great career choices.

What is Design and Technology?
Design and Technology is an area of study that focuses on planning, designing and creating things (called "products") which people use. Think about your toaster: someone had to spend a great deal of time thinking about how to make it look good while also making it work. That's what Design and Technology is all about!

While studying this subject, you can learn how to design and make anything from electronics, clothes, furniture, food, and even computer programmes.

The subject is sometimes split up into the following categories:

- Electronic products: Use electronic materials to build interesting devices.
- Food technology: Design recipes and create food products while learning about nutrition.
- Graphics: Learn how to use 2D and 3D modelling programs to plan and design products.
- Resistant materials technology: Work with materials like metals, plastic, wood, and use them to make interesting products.
- Textiles technology: Learn about different fabrics, how they are made, and ways you can use them to create products.

'
Design and Technology is a broad subject, leading to careers in software, fashion and design.

What kind of things might it lead to?
There are plenty! Design and Technology can set you up for a career in a wide variety of industries such as fashion, engineering, architecture, information technology, careers in hospitality, and even education.
Popular careers for Design and Technology qualifications include: fashion designing; tailoring; product designing; architecture; software engineering; civil engineering; carpentry and catering.

Economics

“No society can surely be flourishing and happy, of which the far greater part of the members are poor and miserable.” Adam Smith

Why should I study Economics?
Economics is about choice and the impact of our choices on each other. It relates to every aspect of our lives, from the decisions we make as individuals or families to the structures created by governments and firms.
A Level Economics helps students develop an interest and enthusiasm for economics and its contribution to the wider political and social environment. It requires the careful application of knowledge in a range of contexts and the development of an enquiring, critical and thoughtful 'economist's mind'.
The course provides opportunities to practise skills, qualities and attitudes which will equip students for the challenges, opportunities and responsibilities of adult and working life. This includes developing an understanding of current economic issues, problems and institutions that affect and shape our environment. In subject specific terms, students will apply economic concepts and theories in a range of contexts and appreciate their value and limitations in explaining real world events. This includes analysing, explaining and evaluating the strengths and weaknesses of the market economy and the role of government within it.

How will I learn and how will I be assessed?
For A Level, you will study four themes and will sit three exams at the end of your course:
Paper 1 • written paper • 2 Hours • 35% of A-level
Paper 2 • written paper • 2 Hours • 35% of A-level
Paper 3 • written paper • 2 Hours • 35% of A-level

What kind of things might it lead to?
Economics is well regarded as a rigorous A Level and fully prepares you for university and the world of work:

You will have developed data-handling and writing skills which are transferable to both university and employment.
You might want to study a degree in economics, business economics, international business, marketing and business management.
You might progress to a wide range of sectors including finance, education, law, business, journalism and the public sector.

English Literature

"We were the people who were not in the papers. We lived in the blank white spaces at the edges of print. It gave us more freedom. We lived in the gaps between the stories." Margaret Atwood

Why should I study English Literature?
No other subject compares to English Literature in terms of developing your skills of interpretation, analysis, and evaluation. English Literature teaches us about ourselves and our place in the universe, time and space and everything in between. It might not give you the answers to questions, but it will alter the way you think about those questions.

Studying English Literature is perfect for anyone with a passion for reading literary texts from any era or movement. It allows you to develop your understanding of the intricacies of language and identify waves of meaning, both above and below the surface. You will develop a wider appreciation of the importance of context, exploring the factors that shape a text, whether that’s when it was written or why, or how different eras have interpreted the same text differently.

You will be able to engage in dynamic class discussions, learning to explore through debate and critical questioning. There is also an option to develop your own creative writing for those who wish to hone their craft.

What does the course look like?
Over the course, you will study at least 8 texts in detail. These will include:
A Shakespeare play (either a comedy of a tragedy) and another play from the same genre
Two prose texts (one of which must be pre-1900) which focus on a chosen theme
A selection of modern and pre-1900 poetry
Two texts that are of your own choosing for your Non-examination assessment element. This is both extremely exciting and also potentially overwhelming, but your teacher will help guide you in your choices.

How will I learn?
The course features a wide range of teaching and learning approaches and methods, from interactive classroom study to lectures, group tasks to private study and research. Outside of lessons, there are opportunities to visit the theatre and make use of the variety of other enrichment activities available.

How will I be assessed?
A Level English Literature has four assessment components: three externally assessed written examinations and one internally assessed Non-examination assessment (NEA). In more detail:

Component 1: Drama • 2 hours and 15 minutes • 30% of A-level
Component 2: Prose • 1 hour and 15 minutes • 20% of A-level
Component 3: Poetry • 2 hours and 15 minutes • 30% of A-level
NEA: One extended comparative essay referring to two texts of your choice (approx. 2500-3000 words) • 20% A-level

What kind of things might it lead to?
As one of the big traditional subjects, English Literature is welcomed by universities and employers. It shows that you are reflective, thoughtful and capable of intense analytical thought. It provides access to a wide and disparate range of degree courses. It is also useful in applying to enter the world of media and journalism, or other interpretative or creative fields.

EPQ

“Independence is happiness” Susan Anthony

Why should I do the EPQ?
The EPQ allows each student to embark on a largely self-directed and self-motivated project. It is an opportunity to look deeply at a topic you are passionate about and explore it fully in a range of different ways. Students must choose a topic, plan, research and develop their idea, and decide on their finished product. The course encourages creativity and curiosity.
A project topic may be directly related to a student's main study programme, but should look beyond the specification.
A finished product may take the form of:

- a research based written report
- a production* (charity event, fashion show or sports event, for example)
- an artefact* (piece of art, a computer game or realised design)
- a written report must accompany these options.
- Students must also record their project process in their Production Log. The process of recording and completing a project is as important as the finished product. Both the Production Log and Product will be assessed.

What does the course look like?
The course is divided into a neat process and structure, allowing you the best opportunity to develop your project.
You will:

- choose an area of interest and draft your project title and aims
- plan, research and carry out your project
- keep a production log of all stages of the project production, reviewing and evaluating your progress
- complete the project product
- prepare and deliver a presentation
- review the outcome of your project and presentation.

How will I learn?
During the EPQ, students will learn to identify, design, plan, and complete a project (or task within a group project), applying organisational skills and strategies to meet the stated objectives. Students will also need to obtain and select information from a range of sources, analyse data, apply it relevantly, and demonstrate understanding of any appropriate connections and complexities of their topic. All of these elements require a range of skills, including using new technologies to solve problems, taking decisions critically, creatively and flexibly to achieve their aims. Students will also need to evaluate the outcome, including their learning and performance.

What kind of things might it lead to?
Extended projects can help students to develop and demonstrate a range of valuable skills through pursuing their interests and investigating topics in more depth. It has also been praised by universities for guiding students into higher education and is an excellent component of any outstanding UCAS application.

Further Maths

“Pure mathematics is the poetry of logical ideas.” Albert Einstein

Why should I study Further Mathematics?
Further Mathematics is taken in addition to A-Level Mathematics. It enables enthusiastic mathematicians to broaden and deepen their subject knowledge through studying additional and more challenging topics in Pure Maths as well as a wider range of topics in Applied Maths.

Further Mathematics is suitable for students who are thinking of studying for a degree in Mathematics, Engineering, Physics or other similar degree subjects. It is also for those students who love Mathematics and want to devote more time to studying wider aspects of the subject.

What does the course look like?
A Level Further Maths will enable you to explore the world of imaginary numbers, matrices and differential equations. Unlike A Level Mathematics, there is a degree of flexibility in your application modules. You have the option of Further Statistics, Further Mechanics, Further Pure or Decision Mathematics.

You will sit four examinations, two Pure and two Applied, each 90 minutes in length at the end of the course.

How will I learn?
You will develop your understanding through a range of methods: modelling, application, discussion and presentation. Independent study is a vital part of this development where you apply new techniques and ensure a deep understanding. A number of web- based platforms will be available to support your mathematical development.

How will I be assessed?
You will sit four examinations, two Pure and two Applied, each 90 minutes in length at the end of the course.

What kind of things might it lead to?
Mathematics underpins most of science, technology and engineering and is also important in areas as diverse as business, law, nutrition, sports science and psychology. There are many opportunities to use mathematics to make a difference in society, for example through the analysis involved in medical research, developing new technology, modelling epidemics or in the study of patterns of criminal activity to identify trends.

Possible job fields examples include: finance and banking, operational research, computer game design, engineering, health, education, teaching, accounting, aerospace and defense, the environmental industry, the pharmaceutical industry, healthcare, the food and drink industry, bio science, medicine.

Geography

“Geography is the subject which holds the key to our future.”
“Geography prepares for the world of work - geographers, with their skills of analysis are highly employable!” Michael Palin

Why should I study Geography?
If you are keen to learn more about the world in which we live, to understand the challenges facing our planet and investigate solutions to some of the biggest challenges of our time, then Geography is a subject for you to consider. Geography is a mix of interesting and relevant topics, skills and discussions, which enable us to understand different perspectives. Not everything we do is classroom-based either - you’ll get the opportunity to visit places of geographic interest and roll up your sleeves with some fieldwork when you do your independent investigation.

How will I be assessed?
Component A: Physical Geography • Written Exam • 2h 30 mins • 40% of A Level
Component B: Human Geography • Written Exam • 2h 30 mins • 40% of A Level
Component C: Geography fieldwork investigation • 3,000 – 4,000 words • 20% of A Level

How will I learn?
The course features a wide range of teaching and learning approaches and methods, from interactive classroom study to lectures held at different locations, group tasks to private study and research. Being outside the classroom is an integral part to the study of Geography, and there will be several trips and visits to important geographical sites, such as the Thames Barrier in London and hopefully Thames Water to investigate how we store water resources in London. There will also be a fieldwork residential to enable data collection and planning for the Geographical Fieldwork Investigation.

What kind of things might it lead to?
Geography can take you anywhere. It is a very popular degree choice at university or could be used as a stepping stone to study geology or archaeology. Geographers are sought-after in many different roles; due to the diverse nature of the course, you will have a strong skills base and you be flexible, adaptable and great at problem solving! Popular career choices include business, law, conservation, outdoor education, journalism and development.

History

“Learn from the masses, and then teach them.” Mao Zedong

Why should I study History?
History is a subject for curious students with enquiring minds. It teaches us how things happen, and why they happened. There is not one history, but many and, as a History student, you will build up a picture of the past and become skilled at interpreting the evidence which has been left behind. You will develop empathy and an understanding of the lives of others as you study a wide variety of cultures and societies different to our own.
History is widely regarded as a strong qualification for a broad range of higher education and career choices. It is ideal for students who:

- have an interest in the way the world has developed through the ages
- enjoy investigation and discovery
- enjoy debate and putting forward a well-argued case
- wish to improve their analytical skills
- want to study a subject which encourages them to consider evidence and make up their own minds.

What does the course look like?
Paper 1: Russia, 1917-91
Students will learn about the key political, social and economic features of communist rule in Russia during the twentieth century
Paper 2: Mao’s China, 1949-76
The transformation of communist China in the years 1949-76
Paper 3:
Losing and gaining the development of the British Empire, an Empire 1763 - 1914 including topics such as the impact of British settlement on Aborigines in Tasmania
Coursework: Topic TBC
You will be required to form a critical view based on relevant reading on a question, problem or issue

How will I learn?
History will be taught in a variety of ways. Students are expected to have completed reading on topics prior to the lesson. In additional to this, you will learn through documentaries, ICT, debates, essay writing independent research, and guided reading. There will be opportunities to deepen learning outside of the classroom e.g. there will be rips to sites outside of the Sixth Form, and visits by guest speakers.

How will I be assessed
Paper 1 • written exam • 2 Hours 15 Minutes • 30% A Level
Paper 2 • written exam • 1 Hours 30 Minutes • 30% A Level
Paper 3 • written exam • 2 Hours 15 Minutes • 30% A Level
Coursework • Essay between 3000-4000 words • 20% A Level

What kind of things might it lead to?
History combines well with a number of other subjects and is well regarded both by universities and employers as a qualification for a wide range of courses in Politics, Economics, English Literature, Languages, Art, History, Law, Archaeology, Philosophy, Sociology or Theology. It is ideal preparation for a career in any of those areas and a plethora of others

Mathematics

"It's not that I'm so smart, it's just that I stay with problems for longer". Albert Einstein

Why should I study Mathematics?
Mathematics at A Level builds on work you will have encountered at GCSE, but also involves many new ideas. If you enjoy Maths, have a strong work ethic and relish the challenge of problem solving then this is the course for you.

What does the course look like?
The mathematics course covers three main areas: Pure, Statistics & Mechanics. Pure Mathematics will build upon familiar topics such as algebra, functions and co-ordinate geometry that have been studied at GCSE. New topics include sequences and series, a wider view of trigonometry, and calculus. Statistics involves statistical sampling, data presentation and probability, leading to the study of statistical distributions with special properties at the end of your first year. Mechanics includes the mathematics used to study the physical world, modelling the motion of objects and the forces acting on them.

You will sit examinations in all three areas, each 2 hours in length at the end of the course.

How will I learn?
You will learn through a variety of techniques; modelling of new ideas, exploring different ways to solve problems and presenting your solutions to your peers. Investing time in solving problems independently is critical to developing your mathematical ability. You will have the opportunity to participate in UKMT National Challenge competitions and attend events at local universities with a STEM focus.

What kind of things might it lead to?
The skills developed through the study of Mathematics are in high demand from employers. In addition to developing the ability to solve problems and think logically, the study of Mathematics provides opportunities to develop team-working skills, resilience, effective communication of complex ideas and the ability to use your own initiative. The vast range of degree courses and careers that require solid mathematical skills ensures that taking Mathematics at A level will open doors to a world of opportunities!

Media Studies

"The media has the power to make the innocent guilty and to make the guilty innocent, and that's power. Because they control the minds of the masses." Malcolm X

Why should I study Media?
Are you creative? Do you have a passion for all forms of media? Are you interested in creating and editing your own material? An interest in film, television, magazines and advertising and marketing is advisable, and a good grade in English Language and English Literature GCSE is essential.

What does the course look like?
Component 1: Meanings and Representations in the Media Written examination • 2 hours • 35% of A Level
Component 2: Media Forms and Products in Depth Written examination • 2½ hours • 35% of A Level
Component 3: Cross-Media Production Non exam assessment • 30% of A Level

How will I learn?
Students of media studies will:
• demonstrate skills of enquiry, critical thinking, decision-making and analysis
• demonstrate a critical approach to media issues
• demonstrate appreciation and critical understanding of the media and their role both historically and currently in society, culture, politics and the economy
• develop an understanding of the dynamic and changing relationships between media forms, products, industries and audiences
• demonstrate knowledge and understanding of the global nature of the media
• apply theoretical knowledge and specialist subject specific terminology to analyse and compare media products and the contexts in which they are produced and consumed
• make informed arguments, reach substantiated judgements and draw conclusions about media issues
• engage in critical debate about academic theories used in Media Studies
• appreciate how theoretical understanding supports practice and practice supports theoretical understanding
• demonstrate sophisticated practical skills by providing opportunities for creative media production.

What kind of things might it lead to?
A Level Media Studies will help you if you would like to further your education by studying different forms of media at university – whether it be undertaking a practical production course or pursuing a journalistic route. It will benefit you when applying for apprenticeships in the media, giving you invaluable experience of researching, planning and producing your own media products.

Music

“Music is the social act of communications among people, a gesture of friendship, the strongest there is.” Malcolm Arnold

Why should I study Music?
If you have a passion for music making in all of its forms, whether that be performing, composing or listening & appraising, then this course is for you. The course allows you to develop your instrumental skills through self-discipline and dedication of practice, as well as refining your creative skills through performance and composition. The course explores Music from Pop & Rock and Classical Music through the study of recorded Music, scores and Musicology. Additionally, the course teaches you transferable extrinsic skills such as teamwork, communication, creativity, critical analysis and discipline that are highly desirable by employers in numerous industries.

What does the course look like?
Performing • (25/35%) • Recital
Composing • (25/35%) • two or three compositions
Listening and Appraising • (40%) • one listening exam sat at the end of Y13

What will I learn?
Lessons are a mixture of performance seminars, composition workshops, score analysis and musicological study through listening and appraising.
Performing: Students will work with their instrumental teachers and others within the class to develop their repertoire in response to the areas of study. They will perform to each other in seminars and will give critical appraisal of each other’s work. At the end of Y13 students will deliver a 6- or 10-minute performance recital either as a soloist, as a member of an ensemble or a combination of both.
Composing: Students will develop their composing skills in numerous styles, gaining a deep understanding of the functions of the musical elements within the chosen areas of study. They will then compose two or three compositions responding to the student’s own brief and to that set by the exam board.
Listening & Appraising:
Area of Study B - Students will study Pop & Rock Music between 1960 and 2000 to gain a deep understanding of the stylistic changes throughout this period. We will identify key influences in the development of styles including new interpretations and technologies. Just some of the bands and artists studied include The Beatles, Elton John, David Bowie, Pink Floyd, Queen and Sugarhill Gang.
Area of Study E - Students will explore impressionism, neoclassicism and expressionism of the early twentieth century, gaining an understanding of how composers challenged our preconceived ideas of what music is. Composers studied include Claude Debussy, Igor Stravinsky and Arnold Schoenberg.
Area of Study A – students will explore the development of the Symphony through score analysis of two set works by F.J. Haydn and Felix Mendelssohn. They will gain an understanding of how composers developed the form through structure, instrumentation, melody and harmony as well the impact of storytelling and approaches to dance music. Other composers studied include Mozart, Beethoven, Berlioz, Tchaikovsky and Mahler.

Where might Music lead you?
A Level Music is extremely useful for all students considering Higher Education in any number of courses by providing you with highly desirable extrinsic skills. Students will typically go on to study Music courses at University as well as Music Technology, Music Therapy, Music performance courses in conservatoires, Journalism, Languages, Musical Theatre and Drama. Career opportunities include freelance performance, journalism, music administration, media broadcasting, education, music therapy and composition.

Physics

“Physicists are made of atoms. A physicist is an attempt by an atom to understand itself.” Michio Kaku

Why should I study?
By studying A Level Physics, you will have the opportunity to explore natural phenomena and to look at theories that explain how the universe works. You will learn about the laws that govern our universe and delve into some of the biggest questions in physics, e.g. where does all the matter in the universe come from? Why does light behave the way it does?

A Level Physics includes a wide range of topics from Newton’s laws of motion and quantum physics, to astrophysics, cosmology and medical physics, including many recent developments in fascinating topics, such as particle physics. If you are interested in the dual nature of light, the limits of space, the beginning of time and everything in between this is the subject for you. Physics is more than a subject – it teaches your brain to ask the right questions and think beyond boundaries.

What does the course look like?
Content is split into six teaching modules:
Module 1 - Development of practical skills in physics
Module 2 - Foundations of physics
Module 3 - Forces and motion
Module 4 - Electrons, waves and photons
Module 5 - Newtonian world and astrophysics
Module 6 - Particles and medical physics

Assessment Overview:
Modelling physics • written paper • 100 marks • 2 hours 15 minutes • 37% of total A Level
Exploring physics • written paper • 100 marks • 2 hours 15 minutes • 26% of total A Level
Unified physics • written paper • 70 marks • 1 hour 30 minutes • 37% of total A Level
Practical endorsement in physics • non-examination assessment • reported separately

How will I learn?
The course features a wide range of teaching and learning approaches and methods, from practical work to interactive classroom study, group tasks to private study and lab based practical activities. There will be plentiful opportunities for consolidating and extending learning outside of the classroom.

What kind of things might it lead to?
There are numerous possible career paths that you can follow studying Physics, such: agriculture, plans and land, environmental sciences, construction, engineering and manufacturing, medicine and medical technology, science research, forensic science, visual effects, computer design and science, astronomy, cosmology, electronics, power generation, finance and many more.

Transferable skills and qualities from studying physics

- Teamwork
- Technical ability
- Problem solving
- Time management
- Organisation
- Numeracy

Politics

'In our age, there is no such thing as 'keeping out of politics.' All issues are political issues.' George Orwell

Why should I study Politics?
Understanding an engaging in Politics is vital in order to understand the world around us. Politics is a fundamental part of our society, and understanding not just UK politics, but historical progress of politics and global politics, provides the tools to think critically and engage in important debates going on around us.

What does the course look like?
Students will study five key units in the A Level course:

- UK Politics (democracy, political parties, elections, the media)
- UK Government (constitutions, Parliament, the Prime Minister, the Supreme Court)
- Core ideologies (Liberalism, Conservatism, Socialism)
- Non-core ideologies (Feminism, Nationalism)
- US Politics (constitution, elections, the President, participation)

What does the course look like?
Politics A Level will first focus on the UK context, including investigating key institutions, the roles of elected and non-elected personnel and the impact that public participation has on our electoral outcomes. The course will then look at key political beliefs that have emerged over time, and how these have impacted the progress of politics. We will then study an in-depth course on US politics, including the powers of the president and the key elements of elections. You will not only gain knowledge, but also analytical and debating skills. You will learn to form and sustain a political argument, compare and contrast political ideologies and independently research key elements of the course.

How will I learn?
You will through engaging and challenging lessons, debating and discussing ideas and through researching key individuals and areas of politics and political thought.

How will I be assessed?
Paper 1 • written paper • 2 Hours • 33% of A-level
Paper 2 • written paper • 2 Hours • 33% of A-level
Paper 3 • written paper • 2 Hours • 33% of A-level

What kind of things might it lead to?
Politics is a fantastic A Level to take alongside other analytical subjects such as History, English or Economics. Studying Politics can lead to a future career in areas such as local government, the civil service or policy work.

Psychology

"The brain is wider than the sky." Emily Dickinson

Why should I study Psychology?
Ever wondered if prison really does change criminal behaviour? Or why some people conform? Or perhaps if the experiences you had before the age of five really do shape the person you are today?

A Level Psychology will give you an understanding of the way people think and why people behave in certain ways. You will learn a variety of skills including analytical thinking, improved communication, problem solving and many more that will prepare you for an exciting future with the possibility of a range of fantastic careers.

What does the course look like?
There are three exams, each accounting for one third of your A Level. The three exams last 2 hours and are worth 96 marks each. The exams consist of multiple choice, short answer and extended writing questions.

Social influence, Memory, Attachment, Psychopathology • 33% of A Level
Approaches in Psychology, Biopsychology, Research Methods, Issues and Debates • 33% of A Leve)
3 options units such as Relationships, Schizophrenia and Aggression • 33% of A Level

How will I learn?
The course features a wide range of teaching and learning approaches and methods; from interactive classroom study to conducting social experiments, group tasks to private study and research. Outside of lessons there will be opportunities to attend revision conferences, psychology workshops and maybe catch a Derren Brown tour for some impressive Psychology skills in action.

What kind of things might it lead to?
Possible degree options: the top seven degree courses taken by students who have an A Level in Psychology are:

Psychology	English Language or Literature
Sociology	Business Studies
Teaching	Sport and Exercise Science
Law	

Possible career options Studying psychology at university can give you a whole host of exciting career options, including:

Marketing	Business Development
Accountancy	Human Resources
Forensic psychology	Occupational Therapy
Clinical psychology	Nursing

Sociology

"Whatever sociology may be, it is the result of constantly asking the question, what is the meaning of this"? - Mills

Why should I study Sociology?
Ever wondered if prison really does change criminal behaviour? Or why some people conform? Or perhaps if the experiences you had before the age of five really do shape the person you are today?

A Level Sociology will give you an understanding of the way people think and why people behave in certain ways. You will learn a variety of skills including analytical thinking, improved communication, problem solving and many more that will prepare you for an exciting future with the possibility of a range of fantastic careers.

What does the course look like?
There are three exams, each accounting for one third of your A Level. The three exams last 2 hours and are worth 96 marks each. The exams consist of multiple choice, short answer and extended writing questions.

Social influence, Memory, Attachment, Psychopathology • 33% of A Level
Approaches in Sociology, Biosociology, Research Methods, Issues and Debates • 33% of A Level
3 options units such as Relationships, Schizophrenia and Aggression • 33% of A Level

How will I learn?
The course features a wide range of teaching and learning approaches and methods; from interactive classroom study to conducting social experiments, group tasks to private study and research. Outside of lessons there will be opportunities to attend revision conferences, and Sociology workshops.

What kind of things might it lead to?
Possible degree options: the top seven degree courses taken by students who have an A Level in Sociology are:

- Psychology
- Sociology
- Teaching and Education
- Law
- English Literature
- Business Studies
- Sports Studies

Spanish

"If you talk to a man in a language he understands, that goes to his head. If you talk to him in his own language, that goes to his heart." Nelson Mandela

Why should I study Spanish?
Students of Spanish will develop an understanding of the language in a variety of contexts and genres, and learn to communicate confidently, clearly and effectively. Students will also develop an awareness and understanding of the contemporary society, cultural background, heritage and history of the countries or communities where Spanish is spoken.

Foreign languages open up a new world of culture, literature and history. On a pragmatic note, language ability will develop lots of different skills in which employers in all walks of life are very interested.

What does the course look like?
The course follows four general topics, but they are wide and open-ended topics which give scope for debate. The topics give students the opportunity to discuss new ideas, discover attitudes from other parts of the world and open their eyes to the wider world and history of Spain and Spanish speaking countries.

The topics are:

- The evolution of the Spanish society
- The political and art culture in Spanish speaking countries
- Immigration and Spanish multicultural society
- The Franco dictatorship and transition to a democracy

How will I be assessed?
Paper 1: Listening, reading and translation
Paper 2: Written response to words and translation
Paper 3: Speaking

How will I learn?
The course features a wide range of teaching and learning approaches and methods; interactive classroom study, group tasks, private study and research and one to one discussion with a native speaker. There will also be opportunities for foreign travel and immersion in Spanish culture.

What kind of things might it lead to?
Languages can lead to many different and varied jobs – it is not all about teaching and translating. An A Level in a language shows universities and employers that you are prepared to work hard to learn grammar and vocabulary but that you also have lots of other skills like independent thinking, the ability to argue points and discuss ideas, that you can listen and that you can verbalise ideas.

Theatre Studies

We must all do theatre – to find out who we are, and to discover who we could become.' Augusto Boal

Why should I study Theatre Studies?
If you have a passion for performing, watching, reading and directing plays then this is the course for you. This course combines the activities of exploring plays, creating theatre, the performing of plays, the analysis of theatre and the critical evaluation of all of these elements. Students completing the course successfully will have a thorough understanding of drama and theatre, highly toned analytical and creative skills and an ability to communicate effectively with others.

What does the course look like?
Component 1: Devising • 40% of A Level
Component 2: Text in Performance • 20% of A Level
Component 3: Theatre Makers in Practice • 40% of A Level

How will I learn?
Lessons are a mixture of practical workshops and classroom-based theory work.

How will I be assessed?
Component 1: Students will work in groups to devise an original performance piece. They will use one key extract from a performance text and a theatre practitioner as stimuli to build their piece around. Students will provide a written portfolio or verbal evidence detailing the process they have undertaken to create their piece.
Component 2: Students will participate in two performances: a group performance of one key extract from a performance text and a monologue or duologue performance from one key extract from a text.
Component 3: For the written exam, students are required to write a live theatre evaluation on a production they have seen. They are also required to demonstrate how they would perform and direct an extract from a text they have studied. Additionally, students will have to write about their practical exploration and interpretation of another complete performance text, in light of a chosen practitioner: focusing on how this text could be reimagined for a contemporary audience

What kind of things might it lead to?
A Level Theatre Studies is useful for students considering Higher Education in any arts or humanities subject including English Language and Literature, Law, Languages, Journalism, Dance, Music, Art and Design, and Media Studies. It also allows students to develop confidence, creativity, teamwork and presenting skills which are useful for any pathway.

Cambridge National Sports Studies

'I've missed more than 9000 shots in my career. I've lost almost 300 games. 26 times, I've been trusted to take the game winning shot and missed. I've failed over and over and over again in my life. And that is why I succeed.' Michael Jordan

Why should I study sport?
This course will prepare you for a career in any area of the sport and leisure industry. This might include leisure centres, health clubs, gyms, sports clubs, theme parks or outward-bound centres. Individual group and project type experiments are carried out as part of the course. Practical sports take place on the college site or in nearby specialist facilities. Residential visits are included to enhance both theoretical and practical work. Sports nutrition, fitness testing, technological developments in sport and practical sports coaching are among the units delivered. This course is an alternative to A Levels for those who wish to pursue a career in the field of PE teaching, sports conditioning, sports coaching or professional sports. You may have the opportunity to study for a fitness instructor qualification as an add-on to your course or take some coaching and proficiency awards (dependent on conditions), which will enhance your prospects of employment or higher education.

What does the course look like?
This course is made up of a variety of units and carries the same UCAS points as 3 A Levels.

Units will include:

Sports development	Practical team sports
Sport and exercise physiology	Leadership in sport
Psychology for sports	performance Rules, regulations and officiating
Organising sports events	Sports nutrition
Fitness testing	Work experience in sport
Fitness training and programming	Outdoor and adventurous activities
Exercise, health and lifestyle	Sport and exercise massage
Sports injuries	Sports coaching
Exercise for specific groups	Current issues
Principles of anatomy and physiology	The physiology of fitness
Assessing risk in sport	

You will also be required to take part in two weeks work experience in year 1 which is considered vital to the success of this course and provides practical experience of skills and knowledge learnt in the classroom.

How will I be assessed?
Each unit consists of between 2-4 assignments which have to be completed throughout the course. Some units may be fulfilled through open book assessments. Evidence for your portfolio is gathered from written assignments, video evidence of practical ability, investigation work, practical experiments, role play and work experience. For example, in practical team sports, you will be asked to examine different skills and tactics, identify strengths and weaknesses and explore effective coaching methods to improve sports people's performance. Subject to requirements from governing bodies, external assessment and exams may be introduced for some units.

What kind of things might it lead to?
This course provides an alternative route to the 3 A Level qualifications for those who wish to pursue a career in the field of sport. You can go on to higher education to study a degree in Sports Coaching, Sport Science, PE Teaching, or Sports Development. Those who wish to pursue careers in sports therapy or professional sport would also find the course highly useful.

B-Tec Information Technology

"Information is just bits of data. Knowledge is putting them together. Wisdom is transcending them" Ram Dass

Why should I study B-Tec Information Technology?
The BTEC Information Technology Level 3 Extended Certificate in IT is a two-year course. The course leads to a qualification the equivalent of one A Level. BTEC Information Technology is an excellent grounding to go onto further study in an IT-related subject. Alternatively, you may also use your qualification to seek an apprenticeship or employment. IT provides many transferable skills.

What does the course look like?
The mandatory units for this qualification are:

- Creating systems to manage information (Practical exam)
- Using social media in business (Coursework)

Additional units of study are:

- Information Technology systems (written exam)
- Data Modelling (Coursework)

How will I be assessed
External assessment • written and exam • 53% of the B-Tec
Coursework portfolio • 47% of the B-Tec

What kind of things might it lead to?
This course is an excellent grounding for further study in an IT-related subject or to seek an apprenticeship/employment.

B-Tec Applied Science

“It is not the strongest of the species that survive, nor the most intelligent, but the one most responsive to change.” Charles Darwin

Why study Applied Science?

- The BTEC Level 3 National Diploma in Applied Science uses a combination of assessment styles to give learners the confidence to apply their knowledge to succeed in the workplace and develop the study skills to continue learning throughout their career.
- There is a range of assessments – both practical and written – which allow learners to showcase their learning and skills to best effect when they take their next step, such as applications to higher education courses or to potential employers.
- 54% of the assessment is done by internally assessed coursework so it is a good option for learners who do not want to follow a 100% exam-based course like A levels. The remaining 46% is assessed by exams.
- The course covers a range of Biology, Chemistry, Physics and Science topics giving an excellent foundation for many university courses, jobs or apprenticeships.

Course Outline

The BTEC Level 3 National Diploma in Applied Science qualification consists of mandatory and optional units, which are assessed by different methods. To achieve the BTEC National Diploma, you will study a total of 8 units which include:

Year 12:

Unit 1: Principles and Applications of Science I (Exam)
Unit 2: Practical Scientific Procedures and Techniques (Internal)
Unit 3: Science Investigation Skills (Exam)
Unit 10: Biological Molecules and Metabolic Pathways (Internal)

Year 13:

Unit 4: Human Regulation and Reproduction
Unit 5: Principles and Applications of Science II
Unit 6: Investigative Project
Unit 9: Laboratory Techniques and their Application

Assessment

46% of the course is externally assessed by exam or controlled assessment; 54% is internally assessed by assignments.
Examining Board – Pearson.
This 8 unit qualification is the equivalent of two A Levels. Grades are awarded from Double Distinction* to Double Pass and carry the normal number of UCAS points for university entry.

B-Tec Health and Social Care

“He who has health has hope; and he who has hope, has everything.” Thomas Carlyle

Why should I study Health and Social Care?

This qualification develops the knowledge and skills needed when working with adults in health and social care environments. It covers a wide range of areas including supporting individuals with their physical and emotional care, daily living needs and health care procedures. If you are passionate about supporting people and being a carer, then this is the course for you.

What does the course look like?

Mandatory Units

• Human Lifespan Development
• Working in Health and Social Care
• Meeting Individual Care and Support Needs

One Optional Unit

• Sociological Perspectives
• Psychological Perspectives
• Supporting Individuals with Additional Needs
• Physiological Disorders and their Care

How will I learn?

You will study core and mandatory units to help you progress to Level 3. You will gain a solid understanding of health and social care, covering areas such as lifespan development, health and social care values, effective communication skills, healthy living, equality and diversity, and individual rights in health and social care

You will have the opportunity to gain experience of a health and social care setting, either through undertaking a work experience placement or through a voluntary placement.

The course is assessed by coursework. You have the opportunity to receive feedback in order to improve your work.

Assignments are graded Pass, Merit or Distinction.

How will I be assessed?

• Internal assignments: Work-related assignments set and marked by the centre.
• External Tasks: Practical, work-related tasks, set and marked by Pearson.
• Written exams: Written answers to practical questions set and marked by Pearson.

What kind of things might it lead to?

On completion, you can progress to a wide range of job roles depending on the pathway taken. The following list is not all-inclusive, but gives a taste of the opportunities available:

- Care assistant’s workers in residential settings or supported living
- Healthcare support workers in community and primary care environments
- Healthcare assistants in acute health environments
- Care support workers in domiciliary services.

Turing House 6th Form

"We do the right thing, because it's the right thing to do"

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