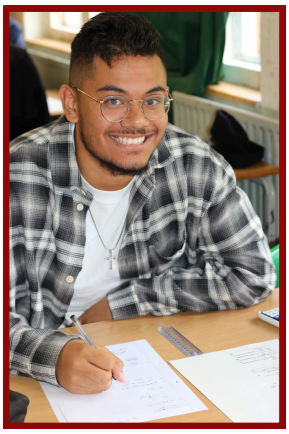
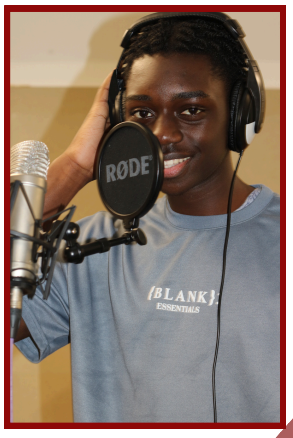
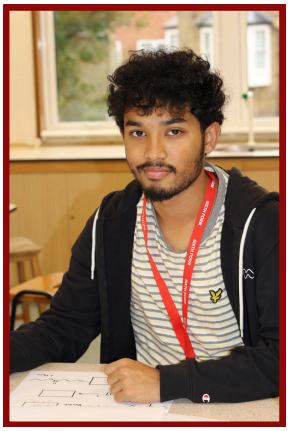
Enfield Grammar School
Academy Trust

Post-16 Subject Information Booklet

Prestigious Past; Bright Future



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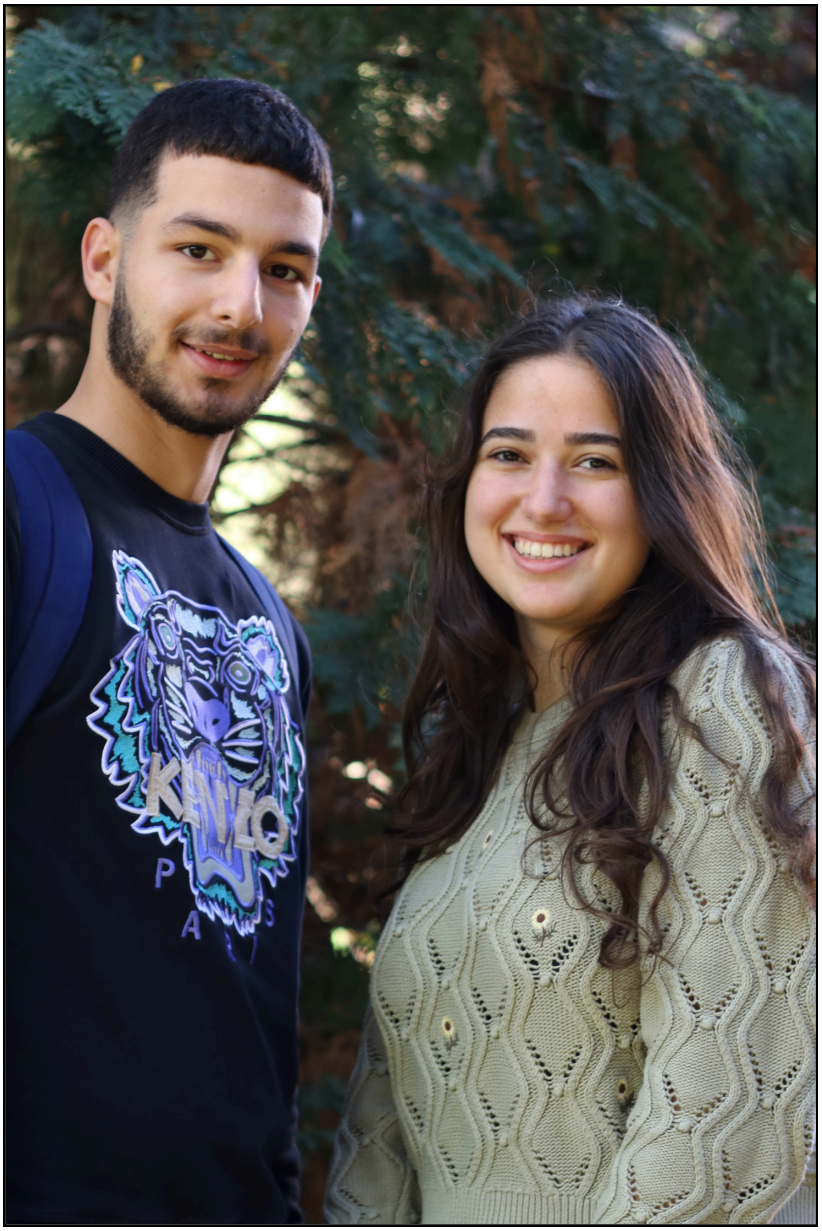
Welcome



PASSION

Pursuing Our Interests with Enthusiasm and Love

RESILIENCE

Overcoming Challenges and Bouncing Back Stronger

INTEGRITY

Acting with Honesty and Strong Moral Principles

DETERMINATION

Committing to Goals Despite Obstacles

EMPATHY

Understanding the Feelings of Others

At Enfield Grammar School Sixth Form our tradition and history can be felt the moment you step into the building. Our long-standing motto "Tant que je puis" or "As much as I can", is one that helps to shape our vision and ambition for our students. School is not just about grades and numbers, it is about the young person as a whole, being part of our school community; our PRIDE values are central to educational philosophy.

We seek to challenge and engage our students in a wide range of curriculum subjects and extra-curricular activities. We encourage students to develop themselves as young adults, through fostering different attributes such as developing a love of learning, building resilience, encouraging curiosity, independence and a sense of determination.

We support students to create a vision for themselves, and encourage students to take risks in their learning, to be challenged and to progress, whilst making friendships, and developing skills, that will last them for a lifetime.

Choosing the Right Course

Fundamental to the success of our Sixth Form is the fact that students choose to study courses they will enjoy and be successful in. We work hard with all of our students to match their interests, qualifications and career aspirations with appropriate A Level and/or BTEC courses that will help them to progress towards their next step, whether that is university, an apprenticeship or employment.

At Enfield Grammar School we offer a wide range of A Levels and vocational qualifications. The A Level is a linear qualification, with almost all exams taken at the end of Year 13 (the exception being STEM subjects that sit an AS qualification at the end of Year 12). Vocational courses mix external assessment, including exams, with internal assessment. Almost all students will choose three A Levels, or the equivalent through vocational courses, but the exact number of subjects a student studies will depend on their GCSE results and the combination of subjects they pick.

Sixth Form subjects are grouped into option blocks so that lessons can be timetabled effectively. These blocks are shared in a draft format and subjects can be moved around blocks based on the provisional subject choices students make during the application process. We will try to accommodate all student choices; our collegiate partnership with Enfield County School also helps with this. We cannot guarantee to run a course for which there is insufficient demand nor guarantee all first choices. Draft blocks will be fixed in the summer term once all applications have been considered.

To study A-level courses, students are required to attain at least five grade 5 GCSEs including English Language and Mathematics in addition to the individual subject entry requirements below.

To study Level 3 BTEC courses, students are required to attain at least five grade 4 GCSEs including a GCSE grade 4 in English Language or Mathematics.

Block A	Block B	Block C	Block D	Block E
Chemistry	Economics	Biology	Design & Technology	Music Technology
Computer Science	Further Maths	Business	Economics	
PE	History	Maths	English Lit	GCSE Retake English
Media Studies	Philosophy and Ethics (RE)	Politics	Geography	GCSE Retake Maths
Psychology	Music		Maths	
			Physics	
BTEC Engineering (Level 3)		BTEC Travel and Tourism (Level 3)	BTEC Creative Digital Media (Level 3)	
BTEC Business (Level 3)	BTEC IT (Level 3)	BTEC Applied Science (Level 3)	BTEC Medical Sciences (Level 3)	BTEC Sport (Level 3)

Subject Specific Entry Requirements 2026

Subject	GCSE Grade Criteria
Applied Science (BTEC L3)	Grade 4-4 in Science
Biology (AS in Year 12)	Grade 6-6 in Science
Business Studies	Grade 5 Business Studies (if studied at GCSE)
Business Studies (BTEC L3)	Grade 4 in Business Studies (if studied at GCSE)
Chemistry (AS in Year 12)	Grade 6-6 in Science
Computer Science	Grade 6 in Computer Science if studied at GCSE
Creative Digital Media (BTEC L3)	5 GCSEs grades 9-4
Economics	Grade 6 in English and Maths
English Literature	Grade 6 in English Literature
Design & Technology (Product Design)	Grade 5 in Design and Technology (if studied at GCSE))
Engineering (BTEC L3)	5 GCSEs grades 9-4
Geography	Grade 6 in Geography
Government and Politics	Grade 6 in English or Humanities
History	Grade 5 in History
IT (BTEC L3)	5 GCSEs grades 9-4
Mathematics (AS in Year 12)	Grade 6 in Mathematics and a successful entry examination
Further Mathematics	Grade 8 in Mathematics
Media Studies	Grade 5 in Media (if studied at GCSE)) or English
Medical Sciences (BTEC L3)	Grade 4-4 in Science
Music	Grade 6 in Music
Music Technology	Grade 5 in Music
Philosophy and Ethics	Grade 6 in a Humanities subject
PE	Grade 6 in PE or Grade 6 in Science
Physics (AS in Year 12)	Grade 6-6 in Science
Psychology (AS in Year 12)	Grade 6 in Science and English
Sport (BTEC L3)	Grade 4 in PE (if studied at GCSE)
Travel and Tourism (BTEC L3) TBC	5 GCSEs grades 9-4

BTEC L3 Applied Science

Introduction

This course provides a practical, real-world approach to science and is ideal for students who are interested in developing scientific knowledge and skills relevant to careers in applied science industries. It is equivalent to two A Levels.

What will I learn?

You will study a range of topics across Biology, Chemistry and Physics. Core units include:

Unit 1: Principles & Applications of Science (external assessment) – Periodicity and Properties of Elements (Chemistry), Structure and Function of Cells and Tissues (Biology), and Waves in Communication (Physics)

Unit 2: Practical Scientific Procedures & Techniques - You will undertake a non-exam assessment coursework on:

1. titration and colorimetry to determine the concentration of solutions
2. calorimetry to study cooling curves
3. chromatographic techniques to identify components of mixtures
4. review of personal development of scientific skills for laboratory work

Unit 3: Science Investigation Skills (external assessment) – Planning and undertaking scientific investigations, Enzymes in action, Diffusion of molecules, Plants and their environment, Energy content of fuels, and Electrical circuits.

Unit 4: Laboratory Techniques and their Applications (practical-based coursework)

Unit 5: Principles & Applications of Science (external assessment) – Properties and Uses of Substances (Chemistry), Organs and systems (Biology) and Thermal Physics, materials and fluids (Physics).

Unit 6: Investigative Project (practical-based research coursework)

Unit 8: Physiology of Human Body Systems (practical-based coursework)

Unit 17: Microbiology and Microbiological Techniques (coursework)

How will I be assessed?

Assessment is through a combination of externally assessed units 1, 3 and 5, and internally assessed coursework for units 2, 4, 6 and 17.

Approximately 45% of the course is externally assessed and 55% of the coursework is internally assessed coursework (assignments, practical work and reports).

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

Key Points

- Equivalent to 2 A Levels.
- Mix of coursework and exams.
- Focus on practical and theoretical skills.
- Recognised by universities and employers.

Opportunities

One of the unique opportunities of this course is the strong focus on practical, lab-based learning and its application to real-world scientific scenarios. The course provides excellent preparation for science-related apprenticeships and university study.

Other subjects?

This course complements other subjects such as Mathematics, IT of Computing, Health and Social Care and Physical Education, depending on student's future goals and interests.

Future Careers

The BTEC Level 3 National Diploma in Applied Science can lead to university degrees in biomedical science, environmental science or health-related courses. It also prepares students for higher apprenticeships or employment in laboratory-based roles, healthcare, pharmaceuticals or science technician positions

Course Information

Course Code - 601/7436/5
Examination Board - Pearson Edexcel

A Level Biology

Introduction

A-Level Biology explores the science of life – from the microscopic molecules that build living cells, to complex organisms, ecosystems, and the interactions that shape our world. This course develops your understanding of biology as a dynamic and evolving science, grounded in evidence, experimentation, and critical thinking.

What will I learn?

You will develop knowledge and skills across key biological themes, including:

- Biological molecules – the chemistry of life
- Cells and microscopy – structure, function, and cell specialisation
- Human & plant physiology – transport systems, gas exchange, immunity
- Genetics + DNA – inheritance, gene expression, and variation
- Organisms and their environment – ecosystems, nutrient cycles, and adaptation
- Homeostasis – maintaining internal balance
- Evolution & natural selection – changes in species over time
- Energy transfers – respiration and photosynthesis

You will complete 12 required practicals that build lab skills in:

- Microscopy
- Biochemical tests
- Enzyme investigations
- Population sampling
- Dissection
- Statistical analysis

These are vital preparation for university-level science and are assessed through practical questions in your exams and a separate practical endorsement.

Other subjects?

Most common trio for medical careers: Biology, + Chemistry and Maths.
In addition:

- Mathematics (useful for data analysis, statistics, genetics, physiology).
- Psychology (links to brain biology, behaviour, research skills).
- Physics (supports physiology, medical imaging, biomechanics).

How will I be assessed?

Component	Type	Duration	Weight
Paper 1	Exam	2hrs	35%
Paper 2	Exam	2hrs	35%
Paper 3	Exam	2hrs	30%

Key Information:
There will be two externally assessed AS exams which will be covering contents taught in year 12.

- All components are externally assessed – no coursework.

Opportunities

By the end of the course, you will be able to:

- Think scientifically and critically
- Analyse experimental results and data
- Communicate complex ideas clearly
- Apply biological knowledge to unfamiliar situations
- Understand ethical and societal impacts of scientific advances
- These skills support careers in medicine, research, veterinary science, biochemistry, pharmacy, biotechnology, environmental science, psychology, and more.

Future Careers

Studying A-Level Biology can lead to many exciting pathways. It is especially valuable for careers in science, healthcare, and the environment. Many students go on to study subjects such as :Medicine, Dentistry or Veterinary Science. Also consider:

- Biomedical Science / Biochemistry
- Nursing, Midwifery or Paramedicine
- Physiotherapy and Sports Science
- Psychology or Neuroscience
- Pharmacology or Pharmacy
- Genetics and Biotechnology
- Environmental Science or Marine Biology, Zoology, Botany and Animal Science.

Course Information

Course Code - 7402
Examination Board - AQA

A Level Business Studies

Introduction

The world of Business is all around us and every day we interact with them in one form or another. Have you ever thought of starting your own Business? This course will tell you all you need to know about working in a Business environment. You will learn essential managerial skills alongside techniques to help you become an analytical problem solver.

In A-level Business, you will gain an understanding of how businesses operate, make decisions, and respond to changing environments.

You will learn how to analyse business performance using data, assess different strategic options, and evaluate decisions from multiple stakeholder perspectives.

What will I learn?

In A Level Business, you will learn how real businesses operate, grow, and make strategic decisions in a competitive and constantly changing environment. The course covers key areas such as marketing, finance, operations, and human resources, helping you understand how different functions contribute to overall business success. You'll also explore the external factors that impact business performance, including economic conditions, globalisation, technological change, and legal and ethical influences. Through the study of real-life case studies, you'll develop analytical and evaluative skills, learning how to interpret data, assess business strategies, and make informed recommendations. This course gives you a practical and well-rounded understanding of the business world, preparing you for university, apprenticeships, or careers in a wide range of industries.

Course Information

Course Code - 9BS0
Examination Board - Pearson Edexcel

How will I be assessed?

Component	Type	Duration	Weight
Marketing, People and Global Businesses	Exam	2hrs	35%
Business activities, decisions and strategy	Exam	2hrs	35%
Investigating business in a competitive environment	NEA	2hrs	30%

Key Information:

- All exams are taken at the end of the two-year course.
- The course covers areas like marketing, finance, operations, human resources, and strategic decision making.
- You are expected to apply your knowledge to real-world business contexts.

Opportunities

We regularly host guest speakers and take part in business open days. You will have the chance to attend revision workshops and take part in national essay competitions.

Other subjects?

Many students find Business is complementary to Economics, Psychology and Mathematics While for others, it goes well with Geography, Government and Politics or Computer Science.

Future Careers

There are a great number of Business related degrees as well degree apprenticeships. If you would like to study Business, Management or Finance at University then A level Business will give you an excellent foundation. 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.

BTEC L3 Business Extended Certificate

Introduction

With its strong focus on practical skills and real-world application, the BTEC National prepares you for direct entry into the workforce, including roles in sales, HR, customer service, or business operations. Whether you choose to continue studying or move straight into employment, this qualification equips you with the knowledge, confidence, and transferable skills to succeed in the modern business world.

The Pearson Edexcel Business Extended Certificate is a dynamic and practical qualification designed to give you a solid foundation in the world of business.
Equivalent to one A Level, this course introduces you to key principles of how businesses start, operate, grow, and adapt in a constantly evolving environment.

Through a mix of internally assessed coursework and externally assessed exams, you'll explore real business scenarios and develop skills in areas such as marketing, finance, event planning, and business decision-making. The course places a strong emphasis on applying theory to practice, helping you build transferable skills such as problem-solving, communication, and project management. Whether you're aiming for university, an apprenticeship, or a career in business, this qualification provides a valuable stepping stone into the professional world.

What will I learn?

In the Edexcel BTEC Business Extended Certificate, you will learn how businesses operate in the real world and how key functions—such as marketing, finance, operations, and management—work together to achieve success. The course focuses on practical, work-related learning, giving you the opportunity to apply knowledge to real business situations.

You'll explore topics like how to develop marketing campaigns, understand financial documents, and plan and manage events.
Throughout the course, you'll gain essential skills in research, communication, teamwork, and decision-making—skills that are highly valued in both higher education and the workplace.

How will I be assessed?

Component	Type
Developing a Marketing Campaign	Controlled Assessment
Personal and Business Finance	Exam
Exploring Business	NEA - Internally Assessed
Recruitment and Selection	NEA - Internally Assessed

You'll complete a series of assignments based on real business scenarios, which are assessed by your teachers and externally moderated. You'll take externally set tasks and written exams that test your ability to apply what you've learned to timed, real-world situations. This mix allows you to demonstrate your understanding through research, presentations, reports, and problem-solving activities.

Opportunities

Focus on Applied IT: This BTEC directly focuses on practical, vocational IT skills. This means students are already building a relevant skillset for university IT courses (e.g., Cyber Security, Web Development, Network Engineering) or entry-level IT roles.
Specialised UCAS Points: The qualification's UCAS points are specifically recognised by universities for IT-related degree programmes, giving students a clear pathway into these fields without needing a broader mix of subjects.

Other subjects?

There are several combinations that work well. There is BTEC Business and A Level Maths; Also Media Studies, Physics, BTEC Science and Economics.

Future Careers

This course will lead you to seek careers in web development, technical support, database development, cybersecurity expert or IT Security roles.

Course Information

Course Code - 601/7159/5
Examination Board - Pearson Edexcel

A Level Chemistry

Introduction

AQA A Level Chemistry is a two-year course that builds on GCSE Chemistry. It takes you deeper into how substances behave, why reactions happen, and how we can control and use them.

You'll study both theoretical ideas and enhance existing practical skills as well as learning new practical processes that prepare you for university or science-based careers.

What will I learn?

1. Physical Chemistry

This is the "core" chemistry – it looks at the fundamental principles behind reactions and materials.

Key topics include:

- Atomic structure and bonding
- Amount of substance (the mole concept)
- Energetics (enthalpy changes)
- Kinetics (rates of reaction)
- Chemical equilibria and Le Chatelier's principle
- Redox reactions and electrochemistry
- Thermodynamics (Year 13)

2. Inorganic Chemistry

This focuses on the elements in the periodic table and their reactions.

Key topics include:

- Periodicity
- Group 2 (alkaline earth metals)
- Group 7 (the halogens)
- Transition metals and their complex ions
- Reactions of ions in aqueous solution

3. Organic Chemistry

Organic chemistry is all about carbon compounds – from fuels to pharmaceuticals.

Key topics include:

- Alkanes, alkenes, and alcohols
- Halogenoalkanes and mechanisms (nucleophilic substitution, elimination)
- Organic analysis (infrared spectroscopy, mass spectrometry)
- Aldehydes, ketones, carboxylic acids, esters
- Amines, amino acids, polymers, and DNA chemistry (Year 13)

How will I be assessed?

Component	Type	Duration	Weight
Paper 1: Physical and Inorganic Chemistry	Exam	2hrs	35%
Paper 2: Physical and Organic Chemistry	Exam	2hrs	35%
Paper 3: Synoptic and Practical Skills	Exam	2hrs	30%

Key Information:

All components are externally assessed – no coursework.

There will be an 2 externally assessed AS exams that will cover content taught in year 12

- Assessment includes a mix of:
  - Short and Long answer questions
  - Multiple choice questions
  - Maths skills

Opportunities

AQA integrates 12 required practicals directly into the course. These are designed not just for the "practical endorsement" but also to link closely with exam questions.

AQA makes sure practical work is consistently assessed, and you can earn a separate Practical Endorsement certificate alongside your grade.

Other subjects?

Many of our students looking to study medical degree courses will study both Chemistry and Biology A-Levels. Physics and Maths A-Levels are also common choices and lead on to a range of engineering degrees

Future Careers

A Level Chemistry provides a good platform to study a range of courses such as biomedical sciences, pharmaceutical sciences and chemical and physical engineering degrees. The skills developed in our course will lend themselves to other pathways suchs as law, science journalism and data and analytical careers

Course Information

Course Code - AS 7407, A Level 7408D

Examination Board - AQA

A Level Computer Science

Introduction

This course isn't just about using technology; it's about understanding and creating it. We'll explore the fundamental principles and logical thinking that power digital systems.
You'll develop essential computational thinking skills, including abstraction and algorithmic design. A core element is practical programming, where you'll apply theory to solve real-world problems by writing your own software.
We'll cover key areas like systems architecture, networks, data structures, and the ethical/legal aspects of computing. A significant independent programming project allows you to delve into a topic of your choice.

What will I learn?

You'll gain a comprehensive understanding of how computers and software function. You'll delve into computer systems, exploring the architecture of processors (like CPU, GPU), memory, input/output devices, and various storage technologies. You'll learn about different types of software (system and application) and modern software development methodologies.

A significant focus is on data, including its representation (binary), various data types, and fundamental data structures like arrays, queues, stacks, and trees. You'll master algorithms and programming, learning to design efficient solutions and implement them in code. This involves understanding sorting, searching, and graph traversal algorithms.

Furthermore, you'll study exchanging data, covering networks, compression, encryption, and database concepts. Crucially, the course addresses the legal, moral, cultural, and ethical issues surrounding computing, fostering responsible technological engagement. A major practical component is your independent programming project, allowing you to apply all learned skills to a real-world problem of your choice. This project can be about a dynamic 2D or 3D game, booking system to a mobile app or e-commerce website.

How will I be assessed?

Component	Type	Duration	Weight
Computer Systems (01)	Exam	2hrs 30mns	40%
Algorithms and programming (02)	Exam	2hrs 30mins	40%
Programming project (03)	NEA		20%

Key Points
All components are externally assessed

- Assessment includes a mix of:
- Short-answer questions
- Source analysis
- Algorithm questions
- Longer essay questions
- Mathematical questions

Opportunities

We regularly host guest speakers and leading academics in their fields of expertise. You will have the chance to attend lectures, events and theatre performances, especially those closely related to our areas of study. We arrange trips to Russell Group universities as well.

Other subjects?

Mathematics is crucial, often a university requirement, underpinning algorithms and logic. Physics , Economics and Design and Technology are also complementary subjects.

Future Careers

Potential career paths include Software Developer, Cybersecurity Analyst, Data Scientist, Web Developer, Network Engineer, and IT Consultant. You could also become a Games Developer, Machine Learning Engineer, or specialize in User Experience (UX) Design.

Course Information

Course Code - H446
Examination Board - OCR

BTEC L3 Creative Media Ext Cert

Introduction

The BTEC National Level 3 in Creative Digital Media Production is a refreshing and exciting course designed to provide a specialist work related programme of study that covers the knowledge and skills required to progress successfully in the workplace but also provides a firm basis for higher education. The core units provide an underpinning knowledge of the media as well as core production skills including units on how to research, plan, prepare, budget and create moving image media products. An appreciation of media audiences and representations of a range of media types will also be developed alongside acquiring knowledge of broader media industry practice. The course also deals with client liaison and commissioning issues so that creative skills are developed with a firm focus on their use in the workplace. The course is comprised of four units and is equivalent to one A- Level qualification.

What will I learn?

Students will learn the creative and technical skills to put their ideas into practice. They will also learn the essential business and interpersonal skills to prepare them for further study, training or apprenticeships in this popular and competitive field. Students must be prepared for external assessments taking the form of either on-screen or written exams, but for those who prefer a more vocational style of learning, the Level 3 extended certificate would be an excellent choice.

Students will gain an understanding of how different businesses and organisations in the media sector work. Students will understand the variety of opportunities available to them and the roles and responsibilities of media businesses and organisations in the sector. Therefore this course would be suitable for students considering careers in the media or higher education in media practice.

Course Information

Course Code - 601/7467/5
Examination Board - Pearson Edexcel

How will I be assessed?

Component	Type
Unit 1: Media Representations	Exam
Unit 2: Pre-production Portfolio	NEA - Internally Assessed
Unit 8: Responding to a Commission	Controlled Assessment
Unit 10: Film Production (TBC)	NEA - Internally Assessed

Opportunities

BTEC Nationals provide a vocational context in which learners can develop the knowledge and skills required for particular degree courses, including: • reading varied texts • audio-visual literacy • effective writing • research and analytical skills • creative development • preparation for assessment methods used in degrees

Other subjects?

There are several combinations that work well. There is English Literature, BTEC IT and A Level Media; Also Creative subjects including art and design or other subjects including BTEC Science and BTEC Business..

Future Careers

The Extended Certificate is equivalent in size to one A Level. The pathways after university include film, television, radio, digital media, computer games, animation, visual affects and publishing. These include working as a film director, television/ film/ video producer, photographer, magazine journalist or writer. There are also many other media-related roles such as media buyer, media planner, media researcher, social media manager and web content manager.

A Level Economics

Introduction

AQA A Level Economics offers an engaging and thought-provoking introduction to the key principles that shape our economy and influence the world around us. This course helps you explore how individuals, businesses, and governments make decisions about the allocation of limited resources. You'll study both microeconomics—how markets and industries work—and macroeconomics, which looks at national and global economic issues like inflation, unemployment, growth, and international trade. Using real-world case studies and current events, you'll learn to apply economic theories to practical situations, developing strong analytical, numerical, and critical thinking skills. Whether you're interested in business, politics, finance, or international affairs.

What will I learn?

In A Level Economics, you will explore how economic decisions affect individuals, businesses, and governments. The course is divided into two main areas: microeconomics and macroeconomics.

Microeconomics – The Economics of Individuals and Markets

- How supply and demand determine prices
- The role of markets and why they sometimes fail (e.g. pollution, inequality)
- How government policies can improve outcomes (e.g. taxes, subsidies, regulation)
- Behavioural economics – how real people make decisions
- Market structures – from perfect competition to monopoly

Macroeconomics – The Economics of the National and Global Economy

- Key indicators like economic growth, inflation, and unemployment
- How governments and central banks use fiscal and monetary policy
- The impact of global trade, exchange rates, and the international economy
- Debates around inequality, austerity, and public spending
- Economic development and sustainability
- Financial markets

How will I be assessed?

Component	Type	Duration	Weight
Markets and Market Failure	Exam	2hrs	33%
National and International Economy	Exam	2hrs	33%
Economic Principles and Issues	Exam	2hrs	33%

Key Information:
Each paper is worth 80 marks.
All assessments are written exams, with no coursework.

The A-level includes both microeconomics and macroeconomics, with synoptic assessment in Paper 3.

Opportunities

We regularly host guest speakers and take part in business open days. You will have the chance to attend revision workshops and take part in National essay competitions

Other subjects?

Many students find Economics is complementary to History, Politics, and Business, while for others, it is a subject that goes well with Maths and Further Maths.

Future Careers

As well as a degree in Economics, this A level provides good preparation for degrees in: Business; Accounting; Law; Politics; Sociology and Management. It is useful for students planning careers in the Civil Service; Management; Finance; Banking and Accountancy. 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.

Course Information

Course Code - 7136
Examination Board - AQA

A Level English Literature

Introduction

Students of English Literature are given the opportunity to become masters of the written argument, and to delve into intriguing social debates presented through the fertile imaginations of brilliant writers. They will perceive, question and challenge a writer's ideas through multiple lenses, exploring plays, novels and poems by applying ideas from renowned theorists and thinkers. Students will hone their critical skills by using Marxist, Feminist, Psychoanalytical, Post-Colonial and Queer theories to deconstruct imagined societies that are often reflections of our own

What will I learn?

Drama: The course we offer combines the rich study of historical tragedy with the complexity of modern, innovative drama that pushes the boundaries of its contemporary audience by studying Othello (Shakespeare), and A Streetcar Named Desire (Tennessee Williams), students will forge a deep level of knowledge about the Tragic genre.

Prose: Students will compare Frankenstein by Mary Shelley and The Handmaid's Tale by Margaret Atwood. The ethical debates at the forefront of both texts centre on scientific progression and the impact of modern society on the individual person. Both Atwood and Shelley explore how science and technology can be used for the greater good, and also a great evil. Through comparison of both texts, students are urged to ponder these philosophical debates for their own lives and futures.

Poetry: Students will be challenged, and at times shocked, by the poems we study. Poems of The Decade explores what it felt like to be a human living in the UK at the turn of the millennium; this modern collection captures the zeitgeist of the beginning of the 21st century – both the promise of change, as well as the fear of the future. This spirit of revolution is also found in the study of Romantic poetry: Blake, Wordsworth, Shelley, Keats and Byron offer their praise and critiques of the world in which they lived. Students will cultivate an appreciation for the radical ideas of these poets.

How will I be assessed?

Component	Type	Duration	Weight
Paper 1: Drama (9ET0/01)	Exam	2hrs 15mins	30%
Paper 2: Prose (9ET0/02)	Exam	1hr 15mins	20%
Paper 3: Poetry (9ET0/03)	Exam	2hrs 15mins	30%
Coursework	NEA	2500-3000 Words	20%

Key Information: Assessment Includes:

- 5 timed essays, 3 of which compare texts
- Two questions to choose from in each exam
- An unseen element in the Poetry paper
- 1 coursework essay (a comparison of The Great Gatsby with the text of your choice)

Opportunities

Watching theatrical performances of Othello and A Streetcar Named Desire is not only required for this course, but is a very enjoyable way to increase cultural capital.

Other subjects?

Humanities subjects: History, Philosophy, Classical Civilization, and History of Art. Creative subjects such as Fine Art and Drama complement the study of Literature very well. If you are more scientifically inclined, Sociology, Psychology, English Language and Linguistics are great choices that connect wonderfully to Literature.

Future Careers

English Literature is highly sought-after for University courses that require excellent reading, writing and verbal communication skills. Journalism, Law, PPE, History, Classics, Creative Writing, and English Literature and Language are courses that would value this A-Level above the vast majority of others.

Course Information

Course Code - 9ET0

Examination Board - Pearson Edexcel

A Level D and T: Product Design

Introduction

A Level Design & Technology in Product Design is a continuum from the GCSE in Design and Technology. It is essential that students applying for the A Level course have a genuine interest in D&T, a diligent and methodical approach to their studies.

The 2 year course is designed to equip students with design skills for the future, recognise design needs and develop an understanding of how global issues and the latest technologies have an impact on the world around them. Students learn and apply key design skills that prepare them for the modern world. They develop confidence to take design risks through the encouragement of innovation and creativity and further their understanding of new and emerging technologies

What will I learn?

In an A-level Product Design course, you will learn to design and make 3D products by developing skills in CAD software, model-making, and prototype development. You'll also gain theoretical knowledge by studying the historical, social, cultural, environmental, and economic influences on design and its impact. The course is assessed with a 50% non-exam assessment (NEA) for your practical project and 50% from written exams.

Practical and creative skills

- Design and modelling: Learn to generate ideas, develop concepts, and create prototypes through both hands-on model-making (using materials like foam and cardboard) and computer-aided design (CAD).
- Manufacturing processes: Develop practical skills in manufacturing and materials.
- Visual communication: Improve your ability to present ideas through techniques like sketching, marker rendering, and 3D drawings.

Theoretical and critical thinking

Design history and theory: Investigate how design has been influenced by various factors, such as historical, social, cultural, environmental, and economic forces.

How will I be assessed?

Component	Type	Duration	Weight
Principles of Design Technology	Exam	2hrs 30mins	50%
Independent Design and Make Project	NEA		50%

Key Information:

The first component covers the Principles of Design and Technology. It covers the following topics: materials, performance characteristics of materials, processes and techniques, digital technologies, factors influencing the development of products, effects of technological developments, potential hazards and risk assessment, features of manufacturing industries, designing for maintenance and the cleaner environment, current legislation, information handling, modelling and forward planning and further processes and techniques.

The second component is an independent design and make project. Students produce a substantial design, make and evaluate project which consists of a portfolio and prototype. There are 4 parts to the assessment covering the identification of a design problem, developing the design, making the prototype and evaluating both the design and the final prototype. The investigation report is internally assessed and externally moderated.

Other subjects?

Art and Design, Engineering, Mathematics and other creative subjects strongly complement this course – both in content cross over and skills .

Future Careers

The course enables progression towards degrees and careers in a wide range of Design and Technology industries such as: advertising, architecture, construction, carpentry, engineering, graphic design, media, manufacturing, marketing, motor vehicle design, repair, product design, sales and many others.

Course Information

Course Code - 7552

Examination Board - AQA

BTEC L3 Engineering Extended Certificate

Introduction

At the moment the UK faces a chronic shortage of people with engineering skills and knowledge. Engineers have the biggest impact on the world over any other profession; they work to come up with solutions to global warming, machines for diagnosing serious medical conditions, and better transport systems that we use every day. If you want to make a difference in the world, engineering is for you. This course provides students with an entry point to becoming a professional Engineer.

The course has been designed to enable learners to develop a substantial common core of knowledge in the first year, including Health and Safety in the Engineering Workplace, Engineering Principles, Product Design & Manufacture, Electrical Machines and Computer Aided Design.

What will I learn?

Unit 1: Engineering Principles – externally assessed. This unit will develop your mathematical and physical scientific knowledge and understanding to enable you to solve problems set in an engineering context.

Unit 2: Delivery of Engineering Processes Safely as a Team – internally assessed. In this unit, you will examine common engineering processes, including health and safety legislation, regulations that apply to these processes and how individual and team performance can be affected by human factors.

Unit 3: Engineering Product Design and Manufacture – externally assessed. In this unit, you will examine what triggers changes in the design of engineering products and the typical challenges that engineers face, such as designing out safety risks. You will learn how material properties and manufacturing processes impact on the design of an engineering product.

Unit 41 (TBC): Manufacturing Secondary Machining Processes - In this unit, you will cover the technology used in, and characteristics of, a range of traditional machining processes such as turning, and specialist machining processes.

How will I be assessed?

Component	Type
Unit 1: Engineering Principles	Exam
Unit 2: Delivery of Engineering Processes Safely as a Team	NEA - Internally Assessed
Unit 3: Engineering Product Design and Manufacture	Controlled Assessment Task
Unit 41 (TBC): Manufacturing Secondary Machining Processes	NEA - Internally Assessed

Opportunities

These could include: • visits to local engineering companies; • visits to the Design, V&A and Science Museums; • study days at supporting universities

Other subjects?

There are several combinations that work well. There is Maths, BTEC IT and A Level Physics; Also Creative subjects including Art and Design or other subjects including BTEC Science and Economics.

Future Careers

Progression from this qualification is either to an employer or further or higher education for engineering sector courses such as degrees in Engineering, Electronics Engineering, Computer Science or Mathematics. This qualification also supports progression to job and apprenticeship opportunities in the engineering sector. Jobs that are available in these areas include: • aerospace engineer • automotive engineer • contracting civil engineer • control and instrumentation engineer • maintenance engineer • mechanical engineer • nuclear engineer

Course Information

Course Code - 610/3962/
Examination Board - Pearson Edexcel

A Level Geography

Introduction

A-level Geography is a dynamic and highly relevant subject that explores the complex interactions between people and the environment. It combines scientific investigation with critical thinking, helping students understand how natural processes shape our world and how human activity influences global systems.

From climate change and natural hazards to urban development and globalisation, Geography encourages students to examine real-world issues, and engage with some of the most pressing challenges facing the planet today.

What will I learn?

Water and Carbon Cycles: A study of how the flows of water and carbon are changing. How they operate as global systems, and how humans are being affected by the changing climate.

Coasts: A study of how our diverse coastline is being shaped by systems and processes. The landscapes that form and an evaluation of management and the effect of rising sea levels and climate change on our coastal world.

Hazards: Discover the cause sand impacts of tectonic, meteorological and hydrological hazards. Analyse risk management strategies', and investigate case studies.

Global systems and governance: A study of how globalisation is connecting the economies, cultures and policies. Study issues around global trade, inequality and migration. Evaluate how it is having an affect on climate change and conflict.

Changing Places: A study of how people shape the natural and human environments. Comparing two contrasting location and investigate how perception, identity and experience impact the representation of an area

Contemporary urban environments: Investigate the cities of the world, and how they grow. Discovering the challenges these cities face and evaluate how sustainability is key for unlocking future urban environments.

How will I be assessed?

Component	Type	Duration	Weight
Paper 1: Physical Geography	Exam	2hrs 30mns	40%
Paper 2: Human Geography	Exam	2hrs 30mins	40%
Coursework	NEA		20%

Key Points

- The NEA (Non-Exam Assessment) is a student-led investigation where you choose your own question related to any part of the course, collect field data, and produce a 3,000–4,000 word report.

Opportunities

We host a multitude of fieldwork opportunities and field trips. We have hosted trips to Iceland, Italy, Stratford and East Anglia.

Geography tackles current global challenges like climate change, migration, resource scarcity, and urbanisation.

Other subjects?

Geography connects knowledge from science, economics, sociology, politics, philosophy and history, helping you think critically and holistically about complex problems. All of these would go excellently with the subject.

Future Careers

Geography is a facilitating subject respected by top universities. It opens doors to careers in urban planning, environmental science, international development, GIS, disaster management, urban planning, data analysis, global governance, travel and climatic change. Sustainability is one of the up-and-coming career paths. So this is definitely a subject for the future.

Course Information

Course Code - AQA 7037
Examination Board - AQA

A Level Government and Politics

Introduction

Politics at EGS will ensure you develop excellent skills of concision, communication and analysis- all vital to any profession where a critical mind is requisite.
You will be empowered as we expand your vocabulary and knowledge of both British and American Politics. You will be equipped with the ability to understand and be understood by many – to engage in intelligent and informed conversations and become a more engaged, informed and educated citizen ready and equipped to engage in the world .

What will I learn?

Alongside the focus on US and UK political systems is a focus on 4 key ideologies underpinning political thought. This affords a very intellectually rewarding and empowering exploration of how we organise societies, the nature of humans and some of the deeper philosophical reasoning behind political actions, specifically: Liberalism; Socialism ; Conservatism and Feminism.

Paper 1: UK Politics
Key features of the UK Political system - how laws are made; what powers Parliament and the government have- the role and nature of parties and pressure groups- debates over our constitution and voting systems.

Paper 2: US & Comparative Politics
Key features of the US political system - how laws are made; what powers Congress and the President have- the role and nature of parties and pressure groups- debates over the constitution and elections

Paper 3: Ideologies
You will learn about the core ideas that shape politics - basically different ways of seeing human beings and how we are.
3 core ideologies will be studied:
Liberalism; Conservatism; and Socialism.
In year 13 you will learn about Feminism.

All the ideologies provide a great way to expand your thinking about the world – it also the paper pupils often get the top marks on!

How will I be assessed?

Component	Type	Duration	Weight
Paper 1:The government and politics of the UK.	Exam	2hrs	33%
Paper 2: The government and politics of the USA, and comparative politics.	Exam	2hrs	33%
Paper 3: Political ideas.	Exam	2hrs	33%

Key Information:
3 external exam assessments - No coursework.
Assessment includes a mix of:

- Short-answer questions
- Source analysis
- Longer essay questions

Opportunities

Model answers and notes to accompany all lessons.
Symbolic pictures/ideograms to help recall key information throughout the course.

Other subjects?

Economics and History strongly complement this course – both in content cross over and skills .

Future Careers

Politics is one of the most versatile and well respected courses- and opens the door to accessing top universities to study Politics, Political Science, International relations,, literature, law, and much more. Former EGS pupils have ended up working for the government, in PR and Law.

Course Information

Course Code - 7152
Examination Board - AQA

A Level History

Introduction

History at EGS will ensure you develop excellent skills of concision, communication and analysis- all vital to any profession where a critical mind is requisite.
You will be empowered as we expand your vocabulary and knowledge of both British and American History- You will be equipped with the ability to understand and be understood by many – to engage in intelligent and informed conversations and become a more engaged, informed and educated citizen ready and equipped to engage in the world .

What will I learn?

Britain 1930-1997 - covering much of modern British History- why governments won and lost power- and how arguments of how our country should be. First though, we start with an exploration of arguably the greatest, certainly most consequential war time leader of our History- Winston Churchill.

American Revolution -The USA continues to be the greatest power in the world and how it emerged as an independent country still shapes its Politics today. You will learn why the Americans revolted and how they managed to defeat the greatest power of the 1780s- Britain.

Civil Rights in the USA - You will explore how African Americans, Native Americans, Women and Workers have won rights in the USA; evaluating competing factors and themes over 100 years to see what or who brings and brought change.

Coursework - A Fantastic opportunity to develop research and evaluative skills that will serve you will in life and your further studies
You may choose your own title- subject to approval- e.g. In previous years pupils have written about the Iranian and Algerian revolutions, however it is suggested you focus on assessing Churchill's war leadership or Thatcher's success as PM in the 1980s as both these areas you will have extensive notes on as they can come up in your exams.

How will I be assessed?

Component	Type	Duration	Weight
Britain 1930-1997 (OCR Y113)	Exam	1hr 30mins	15%
American Revolution (OCR Y212)	Exam	1hr	15%
Civil Rights in the USA 1865-1992 (OCR Y319)	Exam	2hrs 30mins	40%
Coursework Y100	NEA	12 Weeks	20%

Key Information:
Along with 3 external exam assessments- there is also coursework.

Assessment includes a mix of:

- Short-answer questions
- Source analysis
- Longer essay questions

Opportunities

Model answers and notes to accompany all lessons.

Symbolic pictures/ideograms to help recall key information throughout the course.

Other subjects?

Economics and Politics strongly complement this course – both in content cross over and skills .

Future Careers

History is one of the most versatile and well respected courses and it opens the door to accessing top universities to study History (both modern and ancient), politics, literature, law, and much more. Former EGS pupils have ended up working for the government, in PR and Law.

Course Information

Course Code - H505
Examination Board - OCR

BTEC L3 IT (AAQ) Extended Certificate

Introduction

This qualification is equivalent to one A-Level, providing a solid foundation in IT. It's a vocational qualification, meaning it focuses on real-world applications and practical skills that are highly valued by employers and universities alike.

Unlike traditional exams, a significant portion of your assessment will involve completing practical assignments, projects, and coursework, allowing you to demonstrate your abilities in a hands-on way.

What will I learn?

Information Technology Systems: You'll gain a deep understanding of the fundamental components of IT systems, including the intricate relationship between hardware (like processors, memory, and storage) and software (operating systems, applications).

Cyber Security and Incident Management: In an increasingly connected world, cyber security is paramount. This unit will teach you about the common types of cyber security attacks (e.g., phishing, malware, DDoS), the vulnerabilities that exist in networked systems, and how to identify and mitigate risks. You'll also learn the crucial steps involved in planning for and responding to security incidents, understanding the procedures for incident detection, recovery, and post-incident analysis.

Website Development: This unit focuses on the practical skills of designing and creating interactive websites. You'll delve into the development tools, techniques, and processes used in modern web development. You'll learn about fundamental web languages like HTML for structure, CSS for styling, and potentially JavaScript for interactivity.

Relational Database Development: You'll gain practical experience in developing relational database solutions, including understanding concepts like tables, relationships, and normalisation. You'll also learn how to use Database Management Systems (DBMS) and write queries to effectively manage, retrieve, and manipulate data, which is essential for informed decision-making.

How will I be assessed?

Component	Type	Duration
Unit 1: Information Technology Systems	Exam	2hrs
Unit 2: Cyber Security and Incident Management	Exam	1hr 30mins
Unit 3: Website Development	NEA - Internally Assessed	
Unit 4: Relational Database Development	NEA - Internally Assessed	

Opportunities

Focus on Applied IT: This BTEC directly focuses on practical, vocational IT skills. This means students are already building a relevant skillset for university IT courses (e.g., Cyber Security, Web Development, Network Engineering) or entry-level IT roles.

Specialised UCAS Points: The qualification's UCAS points are specifically recognised by universities for IT-related degree programs, giving students a clear pathway into these fields without needing a broader mix of subjects.

Other subjects?

There are several combinations that work well. There is BTEC Business and A Level Maths; Also Media Studies, Physics, BTEC Science and Economics.

Future Careers

This course will lead you to seek careers in web development, technical support, database development, cybersecurity expert or IT Security roles.

Course Information

Course Code - 601/7575/8
Examination Board - Pearson Edexcel

A Level Mathematics

Introduction

A Level Mathematics provides students with a strong foundation in mathematical reasoning, problem-solving, and analytical thinking. The course covers both pure mathematics and applied topics, including statistics and mechanics. Students will explore concepts such as algebra, calculus, and vectors, and apply these to real-world scenarios and abstract problems.

If you enjoy working with numbers, solving complex problems, and want to develop logical thinking skills that are valuable in science, economics, computing, and engineering, then this is the subject for you.

What will I learn?

A Level Mathematics deepens your understanding of both abstract theory and practical problem-solving. The course is divided into pure mathematics, statistics, and mechanics – all of which build your ability to think logically and apply mathematical methods in real-world and academic settings.

In pure mathematics, you will develop key skills in algebra, trigonometry, calculus, and coordinate geometry. These form the foundation for solving equations, analysing graphs, and understanding how rates of change and motion can be modelled mathematically.

Statistics introduces techniques for collecting, interpreting, and analysing data. You will learn about probability, statistical distributions, and hypothesis testing – all vital for making informed decisions and working with uncertainty.

Mechanics explores how maths describes physical systems. You will study motion, forces, and Newton's laws, gaining insight into the way objects move and interact, which is especially relevant to physics and engineering.
This course gives you the tools to model, analyse, and solve problems with clarity – skills valued in many disciplines including science, economics, and computing.

How will I be assessed?

Component	Type	Duration
Paper 1: Pure	Exam	2hrs
Paper 2: Pure	Exam	2hrs
Paper 3: Applied: Statistics and Mechanics	Exam	2hrs

All components are externally assessed – no coursework.
Assessment includes:

- Short and structured questions
- Real-world applications
- Use of a calculator throughout

Opportunities

You will develop logical thinking, resilience, and analytical reasoning – skills that are highly valued in any academic or career path. Maths students often compete in national competitions (like the UKMT Senior Maths Challenge) and participate in STEM enrichment events and university masterclasses.

Other subjects?

A Level Mathematics complements a wide range of subjects including:

- Physics, Chemistry, and Biology
- Economics, Business, and Computer Science
- Geography, Psychology, and Engineering

It also supports further study in mathematics-related university courses.

Future Careers

Mathematics is one of the most sought-after qualifications by universities and employers. It opens doors to degree courses in mathematics, physics, engineering, economics, computer science, finance, actuarial science, architecture, and more. This subject demonstrates strong analytical and problem-solving abilities – valuable in nearly every industry.

Course Information

Course Code - 9MA0
Examination Board - Pearson Edexcel

A Level Further Mathematics

Introduction

A Level Further Mathematics is designed for students who have a real passion for the subject and want to explore mathematics beyond the standard A Level course. This qualification builds upon the foundations of A Level Mathematics and introduces new and powerful areas of abstract thinking and mathematical reasoning.

If you enjoy exploring patterns, solving unfamiliar problems, and understanding how pure mathematics underpins advanced science, technology, and engineering, then this course will challenge and inspire you. Further Mathematics is ideal for students considering university study in maths, physics, or other mathematically-rich subjects.

What will I learn?

Level Further Mathematics broadens and deepens your mathematical knowledge through the study of four pure modules: Further Core 1, Further Core 2, Further Pure 1, and Further Pure 2. You will explore advanced algebraic structures, matrices, complex numbers, and mathematical proof. Topics such as polar coordinates, hyperbolic functions, differential equations, vector geometry, and transformations will significantly expand your problem-solving toolkit.

This course develops your ability to think abstractly and logically, extending the methods and principles you learned in A Level Mathematics. It also strengthens your conceptual fluency in calculus, sequences and series, and coordinate geometry, while introducing new techniques for analysing mathematical models in a formal and elegant way.

The course also includes abstract concepts such as Number theory, Group theory, Combinatorics and basic Linear algebra including cross scalar product and diagonalization of 3 by 3 matrices, reducible differential equations, etc.

Further Mathematics is both intellectually demanding and highly rewarding – offering depth, precision, and insight into the real and theoretical worlds of advanced mathematics.

How will I be assessed?

Component	Type	Duration
Paper 1: Further Core 1 and Core 2 combined	Exam	1 hr 30 mins
Paper 2: Further Core 1 and Core 2 combined	Exam	1 hr 30 mins
Paper 4: Further Pure 2	Exam	1 hr 30 mins
Paper 3: Further Pure 1	Exam	1 hr 30 mins

Key Information:

- All components are **externally assessed** – no coursework.

Opportunities

Further Mathematics offers a deeper and more abstract understanding of the subject and opens doors to the highest levels of academic study. Students often take part in national competitions such as the UKMT Senior Mathematical Challenge and attend lectures and events at universities. This course is highly regarded by top universities.

Other subjects?

Further Mathematics pairs naturally with A Level Mathematics and is also highly complementary to Physics, Chemistry, and Computer Science. It provides a strong advantage in any subject that values logic, precision, and structured problem-solving.

Future Careers

Further Mathematics is one of the most respected and academically rigorous A Levels. It is essential for studying mathematics at many top universities and is highly desirable for courses in physics, engineering, computer science, economics, and data science.

The subject helps develop deep analytical thinking and creativity in problem-solving – qualities sought by universities and employers in technical, academic, and research careers.

Course Information

Course Code -9FMA0
Examination Board - Edexcel

A Level Media Studies

Introduction

Media Studies is a dynamic and engaging subject that helps students understand the powerful role media plays in shaping our world. By studying a wide range of media forms—such as film, TV, advertising, social media, and video games. Students develop critical thinking, analytical, and creative skills.

The course explores key issues like representation, audience influence, and media production. Media Studies also encourages creativity through practical projects, making it an ideal choice for students who enjoy both analysis and hands-on work.

What will I learn?

In the Eduqas A Level Media Studies course, learners explore a wide range of media forms and products, gaining a deep understanding of how media texts are constructed and interpreted. The course is divided into 4 key areas: Media Language, Media Representations, Media Industries, and Media Audiences. Students are required to study a variety of set texts across different media platforms such as television, film marketing, music videos, newspapers, advertising, magazines, radio, video games, and online/social media. These texts are analysed in relation to theoretical frameworks and key media concepts, including genre, narrative, representation, and audience engagement, as well as relevant media theories from scholars such as Barthes, Hall, and Van Zoonen.

In addition to theoretical analysis, the course includes a practical production component where learners create their own media product. This allows them to apply their understanding of media language and representation in a practical way. The coursework (Non-Exam Assessment, or NEA) involves planning, producing, and evaluating a cross-media production for a specific audience, following a brief set by the exam board. Throughout the course, learners develop critical thinking, analytical writing, and creative production skills, preparing them not only for exams but also for further study or careers in media-related fields.

How will I be assessed?

Component	Type	Duration	Weight
Media Products, Industries and Audiences	Exam	2hrs 15mns	35%
Media forms and Products in Depth	Exam	2hrs 30mins	35%
Cross-Media Production	NEA	12 Weeks	30%

Key Information:

- Two components are externally assessed
- One component is controlled assessment
- Assessment includes a mix of:
- Short-answer questions
- Longer essay questions
- Set texts
- Unseen texts

Opportunities

The Media is constantly changing, and this allows us to have on-going discussion about relevant topics. It also encourages students to critically consider the media they choose to consume and how far it is mediated and for what potential purpose.

Other subjects?

Many students find Media Studies is complementary to subjects such as Business Studies, English Literature, Psychology and Sociology.

Future Careers

Media Studies could lead to a wide range of careers, such as journalism, video game development, marketing, film production, advertising, or anything related to social media.

Course Information

Course Code -A680QS
Examination Board - Eduqas

BTEC L3 Medical Science Ext Certificate

Introduction

The BTEC Medical Science course is a vocational qualification that focuses on the practical and theoretical aspects of science within medical and healthcare contexts. It's designed for students interested in careers such as biomedical science, nursing, healthcare, physio therapy or medical research. Students will develop their skills in the following areas. Laboratory competence (pipetting, microscopy) data analysis and interpretation, report writing and referencing, understanding ethical, legal, and safety issues and application of theory to real-world healthcare scenarios.

What will I learn?

Unit 1: Principles of Human Physiology, Anatomy and Pathology.
This unit will allow students to demonstrate knowledge and understanding of scientific concepts and theories, terminology, definitions and scientific formulae used in human physiology, anatomy and pathology. Apply knowledge and understanding of scientific concepts and theories.

Unit 2 Health Issues and Scientific Reporting.
This unit will enable students to demonstrate knowledge and understanding of scientific concept and theories, terminology, definitions and scientific formulae used in health issues and scientific reporting.

Unit 3 Practical Microbiology and Infectious Diseases.
This unit aims for students to gain an understanding into the classification and nature of microorganisms. Students will examine the transmission and treatments of infectious diseases and explore the application of techniques to culture and identify microorganisms.

Unit 4 Diseases, Disorders, Treatments and Therapies.
This unit aims to give students an understanding in biological molecules and pathways and their effect on the body. It also explores the effects of physiological diseases ,disorders and associated treatments. Students will examine the development of innovative and future types of treatment for physiological diseases and disorder

How will I be assessed?

Component	Type	Duration
Unit 1: Principles of Human Physiology, Anatomy and Pathology	Exam	90GLH
Unit 2 Health Issues and Scientific Reporting	Exam	120GLH
Unit 3 Practical Microbiology and Infectious Diseases	NEA - Internally Assessed	90GLH
Unit 4 Diseases, Disorders, Treatments and Therapies	NEA - Internally Assessed	60GLH

Opportunities

The core and specialist medical science knowledge, understanding and skills that students develop create a good foundation for transition to related degrees.
Skills such as critical thinking and independent learning help students to be better prepared for the self-directed learning approach used in higher education and become more open minded to learning.

Other subjects?

Research skills, in combination with the other transferable skills, create a strong foundation for academic success. The following subjects would be suitable to combine with this qualification:
• Psychology • Sociology • Chemistry • Physical Education and Sport.

Future Careers

This qualification can lead to progression to the following degrees:
• BSc (Hons) Nursing (Adult Health/Child Health/Mental Health)
• BSc (Hons) Psychology
• BSc (Hons) Physiotherapy

Course Information

Course Code - 610/3958/5
Examination Board - Pearson Edexcel

A Level Music

Introduction

This course is designed for students who are passionate about music and wish to develop their skills in performance, composition, and musical analysis. The AQA specification offers a balanced approach that combines practical music-making with academic study, allowing you to explore a wide range of styles, genres, and historical contexts.

What will I learn?

You will:
Deepen your understanding of musical elements, harmony, and form.

Explore music from the Western classical tradition to popular music, jazz, and film music.
Improve your skills as a performer and composer.
Develop analytical skills by studying set works and applying this knowledge to unfamiliar pieces.
Gain a respected qualification that supports further study in music, performance, or related creative industries.

Component 1: Appraising Music
Study of three areas:

- Western Classical Tradition (1650–1910) (compulsory)

Two additional areas from:

- Pop music
- Music for media
- Music for theatre
- Jazz
- Contemporary traditional music
- Art music since 1910

Analysis of set works and unfamiliar pieces.

Component 2: Performance

- 10 minute solo or ensemble recital

Component 3: Composition
Two compositions:

- One to a brief set by AQA
- One free composition

Total time: minimum 4½ minutes

Course Information

Course Code - 7272
Examination Board - AQA

How will I be assessed?

Component	Type	Weight
Appraising	Exam	40%
Performance	10 minute solo or ensemble recital	35%
Composistion	NEA - 2 x Compositions	25%

Key Information:

- Component 1 Appraising music is an externally moderated written exam.
- Component 2 Performance and Component 3 Composition is marked internally then externally moderated.

Opportunities

We provide multiple performance opportunities throughout the year including school concerts, performances within the community, and our yearly European Music Tour. We regularly have guest speakers and workshops provided by excellent external providers as well as go on trips such as this year's trip to Abbey Road Studios.

Other subjects?

Music Technology - Great for production, sound engineering, or composition pathways.
English Literature - Helps with essay writing and analytical skills needed in musicology
History - Useful for understanding historical context in music

Future Careers

Music opens doors to Music degrees (performance, composition, musicology, production) and Conservatoire training. Careers in education, sound engineering, music therapy, journalism and beyond.

A Level Music Technology

Introduction

The Edexcel A Level Music Technology course is designed for students who are interested in the technical side of music production. It provides an in-depth exploration of music technology and how it is used in the creation, production, and manipulation of music in a variety of contexts. The qualification is split into two main components: Theory and Practical Application. The course focuses on both understanding the technical side of music and applying that knowledge creatively.

What will I learn?

You will:

Component 1: Recording Techniques: This section is all about understanding how to record music in a studio environment. Students will learn how to set up equipment, use microphones, mix multiple tracks, and work with different genres of music. Key Skills Covered: Use of digital audio workstations (DAWs) like Pro Tools, Logic Pro, Ableton, or Cubase. Multi-track recording techniques. Microphone selection and placement.

Component 2: Music Production and Editing: Students will explore different music production methods and learn how to manipulate recorded sound. Key Skills Covered: Editing and arranging audio using a DAW. Applying effects such as EQ, reverb, compression, and panning. Automation techniques.

Component 3: Sound Creation and Synthesis: In this section, students explore how to design and manipulate sounds using synthesizers, samplers, and other sound-creation tools. Key Skills Covered: Synthesizer programming (e.g. sound creation with oscillators, filters, envelopes).Sampling techniques and sound manipulation.

Component 4: The Music Industry and Technology in Context: This part of the course involves studying the history and development of music technology, the role of music technology in the music industry, and its influence on different genres. Students also examine how technology has impacted music production, distribution, and performance.

How will I be assessed?

Component	Type	Weight
Listening and analysis (9MTO/3)	Exam	25%
Production (9MTO/4)	Exam	35%
Composition (9MTO/2)	NEA	20%
Recording (9MTO/1)	NEA	20%

Key Information:

All components are externally assessed.

Assessment includes a mix of:

- Short-answer questions
- Two produced tracks
- Longer essay questions
- Candidates must study technology through the ages.

Opportunities

We regularly visit recording establishments like The Abbey Road Institute and Air Studios. There are also lots of practical opportunities to mix live bands at concerts or go on the annual European music tour.

Other subjects?

Many students find the lack of essays and practical tasks are complementary to History, English Literature, Politics and Philosophy while for others, it is a pleasing contrast to Science and Maths.

Future Careers

This course is an excellent foundation for anyone looking to go into studio recording, live sound management, event promotion, software development, composing music for media and even music journalism. It is well regarded by Universities, showing a broad spectrum of skills.

Course Information

Course Code - 9MTO

Examination Board - OCR

A Level RS: Philosophy and Ethics

Introduction

The course offers a choice of different religions, at EGS we focus on Christianity.

You will gain critical and evaluative skills sought by higher education and employers – particularly in law, education, social work, politics, medicine, administration and the media.
Religious studies is a thought provoking subject covering the themes of the arguments for the existence of God, the problem of evil and suffering, religious experiences, normative and applied ethical theories, the bible, the trinity, self/death/afterlife, social and individual conduct and expressions of identity.

What will I learn?

Existence of God: Design - Paley's analogical argument. Criticisms: Hume. Ontological - Anselm's a priori argument. Criticisms: Gaunilo and Kant. Cosmological - Aquinas' Way 3. The argument from contingency and necessity. Criticisms: Hume and Russell. The problem of evil and suffering. The concepts of natural and moral evil. The logical and evidential problem of evil. Responses to the problem of evil and suffering. Hick's soul making theodicy. The free will defence. Process theodicy as presented by Griffin. The strengths and weaknesses of each response. The nature of religious experience. Visions: corporeal, imaginative and intellectual.
The challenges of verifying religious experiences. The challenges to religious experience from science. Religious responses to those challenges. Swinburne's principles of credulity and testimony. The issue of whether religious language should be viewed cognitively or non-cognitively. The challenges of the verification and falsification principles to the meaningfulness of religious language. Responses to these challenges: eschatological verification with reference to Hick. Language as an expression of a Blik with reference to R.M.Hare.
The strengths and weaknesses of the differing understandings of religious language. As well as miracles, death, afterlife, normative and applied ethical theory, dialogues with Christianity, situation, virtue and meta ethics, free-will and conscience.

How will I be assessed?

Component	Type	Duration	Weight
Philosophy of Religion and Ethics (7062)	Exam	3hrs	50%
Study of Christianity and Dialogues (7062B)	Exam	3hrs	50%

Key Information:
All components are externally assessed – no coursework.
Assessment includes a mix of:

- AO1 – Knowledge and
- understanding
- AO2 – Critical analysis and evaluation
- Candidates will study Christianity – the life of Jesus (man of history and Christ of faith, the Holy Bible, the development of the Church and denominations

Opportunities

We offer a variety of learning experiences including trips and debates. A local church group offer weekly lessons, discussions and debates. We look at churches and cathedrals, Christian relics, art and architecture. We have guest speakers visits; experts in their fields.

Other subjects?

Many students find Religious Studies (Philosophy of religion and ethics) is complementary to History, English Literature, Politics, Psychology, Sociology and Art. It is largely metaphysics; contrasted well with the sciences

Future Careers

Religious Studies (Philosophy and Ethics) is highly regarded by both universities and employers. History, politics, anthropology, law, education, criminology, social work, the charity sector and ministry are just some of the courses this unique subject could lead you.

Course Information

Course Code - 7062
Examination Board - AQA

A Level Physical Education

Introduction

This practical and engaging course has been developed to allow learners to study Physical Education (PE) in an academic setting, enabling them to critically analyse and evaluate their physical performance and apply their experience of practical activity in developing their knowledge and understanding of the subject. The examined components will provide the knowledge and understanding which underpin the non-exam assessment (NEA). The NEA within this specification allows learners to explore an activity in detail as a performer or coach, chosen from a wide variety of sporting activities. Learners will also analyse and evaluate performance in a chosen activity as part of their NEA.

What will I learn?

CR's A Level in Physical Education will equip learners with both a depth and breadth of knowledge, understanding and skills relating to scientific, socio-cultural and practical aspects of physical education.

This students to:

- develop theoretical knowledge and understanding of the factors that underpin physical activity and sport and use this knowledge to improve performance
- understand how physiological and psychological states affect performance
- understand the key socio-cultural factors that influence people's involvement in physical activity and sport
- understand the role of technology in physical activity and sport
- refine their ability to perform effectively in physical activity and sport by developing skills and techniques and selecting and using tactics, strategies and/or compositional ideas
- develop their ability to analyse and evaluate to improve performance
- understand the contribution which physical activity makes to health and fitness
- improve as effective and independent learners and as critical and reflective thinkers with curious and enquiring minds.

How will I be assessed?

Component	Type	Duration	Weigh t
H555/01 Physiological factors	Exam	2hrs 15mns	30%
H555/02 Psychological factors	Exam	1hr	20%
H555/03 Socio-cultural issues	Exam	1hr	20%
H555/05 Practical Performances	Film		20%
H555/06 EAPI coursework	NEA		20%

Opportunities

This course covers a wide breadth of study that allows students follow a myriad of specialised career paths in later life. Within the school we provide opportunities to develop their sport as well as helping them engage in working with younger pupils to learning leadership and coaching skills.

Other subjects?

Many students find A Level PE is complementary to Biology and Psychology, while for others, it is a pleasing contrast to subjects such as Geography and Business.

Future Careers

This course will prepare learners for the further study of PE or sports science courses as well as other related subject areas such as psychology, sociology and biology. Learners will also develop the transferable skills that are in demand by further education, Higher Education and employers in all sectors of industry.

Course Information

Course Code - H555
Examination Board - OCR

A Level Physics

Introduction

Are you curious about the fundamental laws that govern our universe? Do you wonder how everything from the smallest subatomic particles to the largest galaxies operate? Then you've come to the right place!

A-Level Physics is a challenging yet incredibly rewarding subject that will deepen your understanding of the physical world around us. This course, following the AQA specification, is designed to ignite your scientific curiosity, develop your problem-solving skills, and equip you with a profound appreciation for the elegance and power of physics.

What will I learn?

Throughout this two-year journey, we will delve into a fascinating array of topics, building from foundational concepts to cutting-edge theories.

Year 1 will establish your core understanding, covering areas such as:

- Measurements and their errors: Mastering the language of physics.
- Particles and radiation: Unveiling the building blocks of matter and the forces that bind them.
- Waves: Exploring the properties and applications of light and sound.
- Mechanics and materials: Understanding motion, forces, energy, and the behaviour of different substances.
- Electricity: Investigating circuits, current, voltage, and resistance.

Year 2 will expand your horizons, taking you into more advanced and abstract concepts, including:

- Further mechanics and thermal physics: Delving deeper into momentum, oscillations, and the fascinating world of heat and temperature.
- Fields: Exploring gravitational, electric, and magnetic fields and their profound influence.
- Nuclear physics: Unlocking the secrets of the atomic nucleus, radioactivity, and nuclear energy.
- Turning Points in Physics.

How will I be assessed?

Component	Type	Duration	Weight
Paper 1: Particles, forces and mechanics, electricity	Exam	2hrs	34%
Paper 2: Thermal, fields, nuclear	Exam	2hrs	34%
Paper 3: Practical Skills and Optional Unit	Exam	2hrs	32%

Key Information:
The AS exam is sat at the end of year one, and is the year one content examined in two papers. Questions for all exams are a mix of multiple choice and longer explanations and calculations

Other subjects?

Mathematics is the obvious choice, computing will be playing an increasing role in most physics jobs.

Future Careers

A strong A-Level in Physics provides a foundation for a wide range of university degrees and highly sought-after careers. It develops crucial transferable skills like analytical thinking, problem-solving, advanced mathematical ability, critical thinking, and data analysis.
It leads directly into degrees in Physics (e.g., Theoretical Physics, Astrophysics, Medical Physics), All branches of Engineering (e.g., Mechanical, Electrical, Aerospace, Civil). Mathematics and Computer Science (e.g., Data Science, AI). Other sciences (e.g., Chemistry, Geophysics), technology & IT (e.g., Software Development, Data Analysis), finance & Business (e.g., Quantitative Analyst, Actuary) and research & development across various industries.
In short, A-Level Physics is a versatile and highly respected qualification that opens doors to diverse and rewarding opportunities in a rapidly evolving world.

Course Information

Course Code - AS 7407, A Level 7408D
Examination Board - AQA

A Level Psychology

Introduction

A-Level Psychology, as per the AQA specification, offers a comprehensive exploration of the scientific study of human behaviour. It covers a range of psychological approaches, key theories, research methods, and the application of psychology to real-world issues. The course encourages critical thinking and an understanding of how psychology can explain behaviour and mental processes.

What will I learn?

Key Issues and Debates: Exploring topics like nature vs. nurture, free will vs. determinism, the psychology of gender, and ethics in psychological research.

Key Issues and Debates: Exploring topics like nature vs. nurture, free will vs. determinism, the psychology of gender, and ethics in psychological research.

Core Topics:
Social Influence: Understanding how social factors (like conformity, obedience, and group behaviour) influence individual behaviour.

Memory: Exploring models of memory, how we store, retrieve, and forget information, and the reliability of eyewitness testimony.

Attachment: Examining the role of attachment in child development and its influence on later relationships.

Psychopathology: Understanding mental health issues such as depression, OCD, and phobias, as well as the approaches to treatment.

Biopsychology: Investigating the role of the brain, nervous system, and hormones in behaviour.

Applications:
Gender, Schizophrenia, Forensic: Studying these areas from psychological and biological perspectives.

How will I be assessed?

Component	Type	Duration	Weight
Paper 1: Introductory Topics in Psychology (7182/1)	Exam	2hrs	33%
Paper 2: Psychology in Context (7182/2)	Exam	2hrs	33%
Paper 3: Issues and options in psychology (7182/3)	Exam	2hrs	33%

Key Information:

- All components are externally assessed – no coursework.
- Each exam is 2 hours long and consists of a mix of multiple-choice, short-answer, and extended-response questions.

Opportunities

You will have the chance to attend a number of trips including a visit to Freud's house and a trip to the supreme courts.
You will also have the chance to apply psychological concepts to real-world scenarios, from criminal behaviour to mental health, giving the course practical relevance, by completing research projects.

Other subjects?

Many students find psychology is complementary to Biology, Sociology, Philosophy, Sports, Economics and Maths.

Future Careers

If you're interested in pursuing psychology at a deeper level, A-Level Psychology is a strong foundation for several university degrees, including: Bsc or BA in Psychology: clinical psychologist, Counselling Psychology: Forensic Psychology, Educational Psychology and Occupational Psychology.

Course Information

Course Code - 7182
Examination Board - AQA

BTEC L3 Sport - National Extended Certificate

Introduction

This Pearson BTEC Level 3 National Extended Certificate in Sport is your gateway to a deeper understanding of the principles and practices that underpin the world of sport. Whether your ambition is to progress to higher education, enter the sports workforce, or simply enhance your knowledge and skills, this course provides a robust and practical foundation.
Throughout this programme, you'll delve into a diverse range of units, designed to equip you with both theoretical knowledge and practical expertise.

What will I learn?

Anatomy and Physiology in Sport (Unit 1) - This unit covers the skeletal, muscular, cardiovascular, and respiratory systems, explaining their structure, function, and how they adapt to exercise. You'll also learn about the body's energy systems. This foundational unit provides essential scientific knowledge for understanding sports performance.

Fitness Training and Programming for Health, Sport and Well-being (Unit 2) - Learn to design effective training programmes. You'll cover client assessment, fitness components, various training methods, and the principles of training. This includes understanding nutritional needs. This practical unit equips you to create tailored fitness plans for diverse individuals.

Professional Development in the Sports Industry (Unit 3) - Explore diverse career opportunities within the sports industry. You'll conduct a personal skills audit to identify strengths, develop a career action plan, and learn about continuing professional development. Practical skills in CV writing and interview techniques are also covered to boost your employability.

Practical Sports Performance (Unit 7) - Focus on improving your own sporting abilities. You'll understand rules and regulations, and apply and refine specific skills, techniques, and tactics in chosen sports. This unit emphasizes active participation and reflecting on your performance to identify areas for personal development.

How will I be assessed?

Component	Type	Duration
Unit 1: External Assessments	Exam	1hr 30mins
Unit 2: External Assessments	Exam	2hrs 30mins
Unit 3 & Unit 7: Internal Assessment	NEA	12 Weeks

Opportunities

You gain practical skills through project-based assessments and coursework that are directly applicable to jobs in coaching, fitness, and leisure, giving you a head start in employment. It's vocational focus, practical skill development, and direct preparation for employment within the dynamic sports sector are unique to the course.

Other subjects?

Many students find Media Studies is complementary to subjects such as Business Studies, English Literature, Psychology and Sociology.

Future Careers

Sport is a highly versatile qualification that opens doors to various exciting pathways, both in further education and direct employment.
Progress to courses such as; Sport Science, Sports Coaching, Sports Management/Sports Development, Physiotherapy, and Physical Education Teacher Training.
Direct Employment in fields such as; Fitness Instructor, Assistant Sports Coach, Leisure Centre Assistant/Operations Staff, Sports Development Assistant, Outdoor Activity Leader, Sports Administrator and Apprenticeships.

Course Information

Course Code -BTEC UYJ08
Examination Board - Pearson Edexcel

BTEC L3 Travel and Tourism Ext Cert

Introduction

If you have a passion for travel or if you want to develop the skills to help others make the most of their tourism experiences, this subject will open your mind to the endless opportunities that exist in the world's largest industry.
Tourism is predicted to recover from the p andemic to once again be Britain's fifth-largest industry. In 2019 it was the UK's third-largest export earner, worth £127 billion a year and supporting 3.1 million jobs in over 200,000 small and medium enterprises (source: Visit Britain). This course covers a range of topical aspects relating to the industry as well as helping people to become occupationally ready to take up employment in a range of jobs in both the public and private sectors, in places such as visitor attraction, travel agencies, hotels, airlines and tour operators. This can follow either directly after achieving this qualification, or via the stepping stone of Higher Education at Universities or Colleges.

What will I learn?

The World of Travel & Tourism - This unit covers the key components of the Travel and Tourism industry, using data to analyse key trends and their impact on one of the fastest growing industries in the UK.

Principles of Marketing in Travel & Tourism - Students will develop a marketing plan for a new product or service for use by a travel and tourism organisation to attract and engage customers.
Two travel and tourism organisations must be chosen, a transport and another type of provider, for example, tour operator, attraction, hotel.

Global Destinations - Students will investigate and analyse the features and appeal of global destinations taking into account travel planning, trends and factors that affect the popularity of global destinations.

Visitor Attractions - Students analyse and investigate the nature and role of built and natural attractions, their commercial success and appeal, responses to visitor needs and importance of delivering a memorable visitor experience.

How will I be assessed?

Component	Type
Unit 1: The World of Travel and Tourism	Exam
Unit 2: Global Destinations	Ecam
Unit 3: Principles of Marketing in Travel & Tourism	NEA - internally assessed
Unit 4: Visitor Attractions	NEA - internally assessed

Opportunities

You will encounter a wide variety of approaches, tasks and exercises. You'll get your basic knowledge and understanding through combinations of class notes, articles, research, videos, and practical exercises. You'll learn to apply this knowledge, to explain, analyse and evaluate each individual unit of study.
Educational visits, work experience and guest speakers form an integral part of the course in making the learning experience interesting, thought-provoking and real. This course is hard work but with motivation, dedication and application all students benefit greatly from its broad approach and achieve excellent results in the end.

Other subjects?

There are several combinations that work well. There is BTEC Business and A Level Geography; Also Media Studies, Physics, BTEC Science and Economics.

Future Careers

Working for airlines, travel agents, tour operators and cruise operators in marketing, sales, and customer service roles. Others have gone on to degree courses in areas such as International Tourism Management,

Course Information

Examination Board - Pearson Edexcel

Enfield Grammar School
Academy Trust

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School Hours

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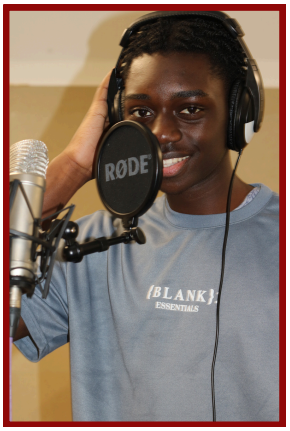
8:30 AM - 3.15 PM



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