BIOLOGY CHEMISTRY PHYSICS
HISTORY TEXTILES FILM STUDIES
MATHS FURTHER MATHS
HISTORY POLITICS
FRENCH BUSINESS
PHOTOGRAPHY
MEDICAL SCIENCE
PSYCHOLOGY SOCIOLOGY
PHYSICAL EDUCATION
CLASSICAL CIVILISATION
ENGLISH LITERATURE
DANCE ART SPANISH

GEOGRAPHY DRAMA

MUSIC MARKETING

A LEVEL AND BTEC GUIDE 2027 -2028

Kent College

ART A LEVEL

Course Content

The A Level course follows the OCR Fine Art specification comprising of two units across the two years.

- ➔ Personal Investigation (60%) including a written related study
- ➔ Externally set task (40%)

At A Level, students are expected to undertake independent, creative work, exploring and developing their understanding of a wide range of techniques and processes including painting, printmaking and sculpture.

Set in our impressive purpose-built studio space, the Art Department houses equipment and facilities to aid experimentation in almost any medium or material.

Career Opportunities

Our Upper Sixth students consistently achieve superb results at A Level, with most candidates gaining entry to leading Colleges of Art and Design for Foundation Courses, and direct entry to art-based degree courses.

The most usual route for Kent College students planning a career in Art and Design is as follows:

- ➔ A good grade at GCSE level
- ➔ A Level Art
- ➔ A foundation course at an art college
- ➔ A degree course in a specific area of art or design
- ➔ Employment

Successful students go on to careers in areas such as fine art, graphic design, industrial design, fashion, textiles, furniture design, interior design, ceramics, illustration, film, animation, photography and architecture.
Students going on to Art and Design courses will be guided in their creation of a portfolio suitable to their application/course, application statement, reference and interview technique.

GCSE ART
CATHERINE ANTHONY

BIOLOGY A LEVEL

Biology A Level will give students the skills to make connections and associations with all living things around. Biology literally means the study of life and if that's not important, what is? Being such a broad topic, students are bound to find a specific area of interest; plus it opens the door to a fantastic range of interesting careers.

Entry Requirements

A Level Biology builds on previous work completed in Chemistry, Physics, Biology and Maths. The minimum entry requirement for the course is grade 7 or above at GCSE Biology or equivalent grade (7,7) at GCSE Double Award Science. Sound mathematical skills are also required, as is a working knowledge of Chemistry and Physics.

Topics Covered over the two years include:

First year of A Level	Second year of A Level
1. Biological molecules **2.** Cells **3.** Organisms exchange substances with their environment **4.** Genetic information, variation and relationships between organisms	**5.** Energy transfers in and between organisms **6.** Organisms respond to changes in their internal and external environments **7.** Genetics, populations, evolution and ecosystems **8.** The control of gene expression

Exams

There are three exams at the end of the two years for A Level, all of which are two hours long. At least 15% of the marks for A Level Biology are based on what is learned in practicals. Exam questions include a mixture of short and longer answer questions, extended response questions and a comprehension question in Paper 2. In addition, Paper 3 contains structured questions, including practical techniques, critical analysis of given experimental data and one essay from a choice of two titles.

Coursework no longer exists and has been replaced with a Practical Endorsement for Biology. Teaching of practical skills is an integral part of the course and throughout the two-year course, Sixth Formers' practical competence (use of apparatus and techniques) will be recorded and assessed internally, by staff at Kent College.

Career Opportunities

A Level Biology can open up a range of career opportunities, including: biological research, medical, environmental, forensics, sports and science communication. Transferable skills like problem solving, are also useful for many other areas, such as law.

BUSINESS A LEVEL

The course will give students the opportunity to:

- analyse characteristics and activities of business organisations and how they respond to the changing demands of their environments;
- develop an understanding of how effective managers and leaders develop successful organisations in terms of customer focus and the products/services they offer;
- reflect on how successful business organisations engage in financial and accounting practices to maximise value for stakeholders.
- develop knowledge that relates to strategic planning and decision-making to ensure business survival, change and sustainable success.
- develop and demonstrate an awareness of current business issues.
- develop a solid foundation for further study.

Key Features

Students will be introduced to Business in Themes 1 (Marketing and People) and 2 (Managing Business Activities) to develop a broad understanding of how businesses work. Breadth and depth of knowledge and understanding, with applications to a wider range of contexts and more complex business information, are developed in Themes 3 (Business Decisions and Strategy) and 4 (Global Business), requiring students to take a more strategic view of business opportunities and issues. Students will be encouraged to use an enquiring, critical and thoughtful approach to the study of business, to understand that business behaviour can be studied from a range of perspectives and to challenge assumptions.

Students are encouraged to participate in the Young Enterprise Scheme which will give them the opportunity to create and manage a new business they have created and developed as part of a team. The Young Enterprise Scheme allows participants to gain valuable practical experience, working and competing with groups of Sixth Formers from other local schools involved in the scheme.

Assessment

This is a 100% exam based subject where assessment will be by data response and extended open response questions. Students will sit three papers at the end of two years.

Career Opportunities

This course will prepare students for a wide range of any career choices, as today's society requires an understanding of the principles of business. This course is relevant to those interested in business management, marketing, advertising, media, financial management, accounting, business law, human resource management, banking or retailing in the public or private sector.

CHEMISTRY A LEVEL

The OCR (Specification A) A Level Chemistry course is designed to be a natural continuation of GCSE Chemistry and involves the study of the three major branches of the subject: organic, inorganic and physical chemistry. It is considered to be the central science because of its links with other scientific disciplines. As students learn to develop a logical, analytical approach to solving problems, it can be both an exciting and challenging subject.

Entry requirements

The minimum entry requirement for the course is grade 7 or above at GCSE Chemistry or equivalent grades at GCSE Double Award Science. We would, however, recommend a grade 8 or above. Sound mathematical skills are also required.

Course overview

Module	Content
Module 1	Development of practical skills in chemistry
Module 2	Foundations in chemistry
Module 3	Periodic table and energy
Module 4	Core organic chemistry
Module 5	Physical chemistry and transition elements
Module 6	Organic chemistry and analysis

Assessment Overview

Paper	Assessment	Exam	Weighting
Paper 1	Periodic table, elements & physical chemistry (modules 1,2,3 & 5)	2hr 15	37%
Paper 2	Synthesis & analytical techniques (modules 1,2,4 & 6)	2hr 15	37%
Paper 3	Unified chemistry (all modules)	1hr 30	26%
Non-exam	Practical Endorsement for Chemistry: Reported separately (does not count towards the A Level)		

The teaching of practical skills is an integral part of the course and Sixth Formers will be required to develop their skills (planning, implementation, analysis and evaluation). Throughout the two year course, Sixth Formers' practical competence (use of particular apparatus and techniques) will be recorded and assessed internally as part of the Practical Endorsement for Chemistry.

Career Opportunities

Demand for people with qualifications in chemistry is high. Chemistry graduates are sought after to work on industrial and academic research, in the chemical industry, the financial world, in management and in many other areas where numeracy and other problem solving skills are valued.

CLASSICAL CIVILISATION A LEVEL

Sixth Formers taking Classical Civilisation at A Level are given the opportunity to step into the fascinating past, examining the inspiring, influential and mysterious cultures of ancient Greece and Rome. This varied course gives pupils an appreciation and understanding of the origins of Western literature and drama, while fostering analytical skills and an intellectual flexibility that is vital in the modern workplace. The course is supported through trips to ancient sites, drama performances and seminars. A Level pupils do not need to have studied Classical Civilisation at GCSE.

Course Content

The World of the Hero (40% of total A Level)

In this component we will study selected books from Homer's Odyssey, as well as Virgil's Aeneid, developing an increasingly sophisticated level of knowledge and understanding of the epics themselves, their style and the religious, cultural and social values and beliefs of the societies in which they were composed.

Greek Theatre (30% of total A Level)

This module examines drama (tragedy and comedy) and the theatre in ancient Athenian society, including:

- the structure of the theatre space, and how this developed;
- use of actors and the Chorus, masks, costumes and props;
- literary techniques, structure, and dramatic conventions in both tragedy and ancient comedy

We will study the following plays in depth: Sophocles' Oedipus the King, Euripides' Bacchae and Aristophanes' Frogs.

Greek Religion (30% of total A Level)

Religion was an essential part of ancient Greek identity, permeating all strata of society and all aspects of an individual's daily life. Among the topics studied are:

- ancient religious ritual and the role it played in society;
- the functions and layout of famous temple complexes;
- the nature of the gods and their relationship with mortals;
- the role and nature of hero cults;
- mystery cults, including the importance of initiation;
- oracles, priests and priestesses;
- the rise of philosophical thinking and how this was viewed within Greek society.

Career Opportunities

Classical Civilisation is a stimulating course which can be combined with any other subject. Most importantly it will enrich understanding of a wide range of disciplines, broadening education and career options for the future. Sixth Formers in the past have found their study of Classical subjects beneficial at university, particularly in fields such as law, history, art, architecture, classics, theatre studies, English, politics, economics and languages.

Employability skills such as critical thinking, presentation skills, and comparative skills will be developed during the course.

CRIMINOLOGY BTEC

Level 3 Applied Diploma in Criminology

This qualification looks at the types of crime that occur within our society. How do we decide which behaviour is criminal? How do we explain why some people commit crime and how can we use different theories of criminality to explain this behaviour? You will study real life cases to gain an understanding of the criminal justice system from the crime scene to the courtroom and look at how social control is achieved within our society.

Criminology is an Applied General qualification primarily designed to support learners progressing to university. However, much of the course is vocationally relevant, offering opportunities to learn from practical activities and the expertise of professionals currently working in criminology. If you are fascinated by the workings of crime and punishment, this course is for you!

What skills will you develop?

Criminology will equip you with a wide range of transferable skills: the ability to complete and present project-based research; collect, analyse and interpret data effectively; construct well-informed and reasoned arguments substantiated by relevant evidence; learn independently and work alongside colleagues in a professional environment and apply your learning in vocational contexts.

How will you be assessed?

There are two Certificate units, each worth 50% of your Certificate qualification:

Unit 1: This unit is assessed through an 8-hour controlled assessment (internally assessed at your centre and externally moderated)

Unit 2: This unit is assessed through examination. The exam consists of short answer and extended writing questions and lasts 1 hour 30 minutes.
If you decide to continue to study for the full Diploma, there will be two further units to complete. Further to the Certificate units (50% of the full Diploma) each Diploma unit is worth an additional 25%:

Unit 3: This unit is assessed through an 8-hour controlled assessment (internally assessed at your centre and externally moderated)

Unit 4: This unit is assessed through examination. The exam consists of short answer and extended writing questions and lasts 1 hour 30 minutes.

Career Opportunities

Criminology can open the door to an array of career paths that require understanding of the criminal justice sector. These may include careers in the police force or in police support roles, the field of forensic psychology and social work.

DANCE BTEC

Level 3 National Extended Certificate in Performance – Equivalent to one A Level

Dance BTEC is an exciting course that develops technical and performance skills, choreographic craft and an ability to analyse a students own work and that of professional practitioners.
The course is made up of five units, two mandatory and three chosen by the student. This allows flexibility to work within areas that interest students the most.

The course is equivalent in size to one A Level and is intended as a pathway to higher education and a career in the performing arts industry.

Assessment Structure:

The course consists of five units, of which two are mandatory (one is externally assessed) plus three further optional units.

Mandatory Units:

- Group Performance Workshop – Externally Assessed
- Developing Skills and Techniques for Performance – Internally Assessed

Three Optional Units (taken from):

- Classical ballet
- Tap dance
- Jazz dance
- Contemporary dance
- Physical theatre
- Healthy Dancer
- Choreography for live performance
- Movement in performance
- Improvisation

There is no written exam.

DRAMA AND THEATRE STUDIES A LEVEL

A Level Drama & Theatre Studies can be taken from either a performance or design point of view. The design route involves studying the set texts in Component 1 from a performance and/or design perspective. Component two (Creating Original Drama) and Component three (Making Theatre) can also be explored from a design point of view. Examples of design are lighting, sound, set, directing and costume.

Sixth Formers considering this area of study should have excellent performance skills and the ability to lead, guide and support group work. Alongside our usual tuition, we offer trips to the National Theatre and the Royal Shakespeare Company. The A Level course is complementary to the GCSE Drama course but, as we have proven in the past, it is not necessary to have studied Drama at GCSE to be successful at this level.

Modules and Assessment

Component 1: Drama and Theatre

Knowledge and understanding of drama and theatre. Study of two set plays, including practical sessions, and analysis and evaluation of live theatre makers.
Written exam – 80 marks (40% of the A Level)

Component 2: Creating Original Drama (practical)

Process of creating devised drama. Devised piece must be influenced by the work and methodologies of one prescribed practitioner.
Working notebook – 40 marks
Devised performance – 20 marks
60 marks in total (30% of the A Level)
This component is marked by teachers and moderated by AQA.

Component 3: Making Theatre (practical)

Practical exploration and interpretation of three extracts, each taken from a different play.
Methodology of a prescribed practitioner must be applied to extract 3.
Reflective report analysing and evaluating theatrical interpretation of all three extracts.
Performance of extract 3 – 40 marks
Reflective report – 20 marks
60 marks in total (30% of the A Level)
This component is marked by AQA.

Career Opportunities

Kent College Sixth Formers have gone on to study a number of related university degree courses and then taken up careers in acting, lighting & sound design and stage management. Those who do not intend to pursue careers in the theatre will find the experience highly beneficial for employment in public relations, business, advertising and all careers which require strong presentation and communication skills.

ECONOMICS A LEVEL

Course Introduction

There aren't many A Level subjects as dynamic as Economics. Economics is the study of how societies, governments, businesses, households, and individuals allocate their scarce resources. At both local and global levels, economists study elements of geography, history, law, politics, psychology and sociology. Economics is typically divided into two categories, micro and macroeconomics. Economics is not simply all about numbers.

Key Features

The first year introduces students to the micro-economic part of the subject. They will learn about the problems that societies face because of the growing problem of scarcity of resources. Students will also learn how markets operate, what makes them efficient and also how they might fail. With regard to the latter they will learn that while competitive markets might make for successful economies, greedily striving for more wealth might also lead to problems such as poverty, inequality and environmental damage.

In the second year students will develop their understanding. Students will learn how and why earnings vary so greatly between different groups, such as males and females. Controversial issues such as the impact of the National Minimum Wage will be critically examined and the impact of organisations such as trade unions on the labour market will be assessed. The work also incorporates an overview of how markets are changing in the UK.

Assessment

Paper 1: Markets and Business Behaviour (35% of total qualification)
Paper 1 will assess microeconomics and questions will be drawn from Themes 1 and 3.
Duration: 2 hours.

Paper 2: The National and Global Economy (35% of total qualification)
Paper 2 will assess Macroeconomics and questions will be drawn from Themes 2 and 4.
Duration: 2 hours

Paper 3: Microeconomics and macroeconomics (30% of total qualification)
Paper 3 will assess content across all four themes. Students are required to apply their knowledge and understanding, make connections and transfer higher-order skills across all four themes.
Duration: 2 hours

Career Opportunities

As well as being equipped to handle modern life with a broad knowledge of A Level Economics, there are a number of university choices and career options where having A Level economics is preferable or, in some cases, absolutely necessary.

A Level Economics can offer you include accountancy, stockbroker, banker and online financial and business-related careers, however most require a higher level of education. Your A Level economics can lead you to degrees in economics, business studies, social sciences and engineering.

ENGLISH LITERATURE
A LEVEL

What are the advantages of having an English A Level?

- English A Level is a facilitating subject, highly respected by the Russell Group universities.
- Students develop the ability to think creatively, a crucial skill in today's changing world.
- It encourages the skills of problem solving, analysis and reasoning.
- Students learn collaboration as well as developing better written and oral communication skills.
- The course develops independence through secondary reading and research.

Course Content

We follow Edexcel syllabus for A Level English Literature, chosen because it is a robust and engaging syllabus which allows students to read a wide variety of texts across the literary genres. The coursework component is an added advantage which encourages independent learning skills and a deeper appreciation of English Literature. The syllabus is made up of four components:

Paper 1: Drama (30% of total marks)

In this paper, students are required to write two essays, one on a Shakespeare play and one on another play. There is no element of comparison. In addition, they are required to refer to an anthology of critical material compiled by the examination board which includes essays on the set Shakespeare play.

Paper 2: Prose (20% of total marks)

In this paper, students are required to write one comparative essay on two novels. One novel must be taken from the pre-19th century selection.

Paper 3: Poetry (30% of total marks)

In this paper, students are required to compare an unseen poem with one of a selection of poems they will have studied in class. The second question on the paper requires them to write an essay on the poet/poetic movement they have studied during the two-year course.

Paper 4: Coursework (20% of total marks)

Coursework allows for students to work independently. Students are required to write about two texts.

Career Opportunities

An A Level in English Literature is highly respected by employers and universities. Almost all careers require employees to be able to analyse situations perceptively as well as express themselves in writing concisely and clearly. Careers which are directly related to the study of English include: journalism, teaching, writing, editing and publishing. Careers for which the skills taught in an A Level in English Literature course would be advantageous are: law, public service, financial services, public relations and marketing.

FILM STUDIES A LEVEL

The Film Studies A Level follows the EDUQAS syllaubs and focuses on the craft of artistry of film. Sixth Formers on the A Level Film course take part in lively discussions with peers and independently reflect on the value of film as an artistic medium. In addition to celebrating students' own interests in film, the course is designed to introduce students to a wide variety of films in order to broaden their knowledge and understanding of film and the range of responses films can generate. The two year course covers mainstream American films from the past and present as well as a range of recent and contemporary British films, American independent films, global films and a variety of film movements including silent film and experimental film. Students are treated as prospective filmmakers, with the aim of developing their own creative and artistic sensibilities through exposure to and critical engagement with different kinds of film and filmmaking practices.

Course Content

Component 1: Varieties of Film and Filmmaking (Written examination: 2 hours 30 minutes)
35% of the qualification
Section A: Hollywood 1930-1990 (comparative study)
Section B: American film since 2005 (two film study)
Section C: British film since 1995 (two film study)

Component 2: Global Filmmaking Perspectives (Written examination: 2 hours 30 minutes)
35% of the qualification.
Section A: Global Film (two film study)
Section B: Documentary Film
Section C: Film Movements (Silent Cinema)
Section D: Film Movements (Experimental Film: 1960-2000)

Component 3: Production (NEA/coursework)
30% of the qualification
This component assesses one production and its evaluative analysis. Students produce either a short film (4-5 minutes in length) or a screenplay for a short film and a digitally photographed storyboard of a key section.

Films studied on the course include: Vertigo, Do the Right Thing, Captain Fantastic, La La Land, Pan's Labyrinth, House of Flying Daggers, Fish Tank, Trainspotting, Memento, Amy, a selection of Buster Keaton shorts, and a selection of short films.

Career Opportunities

The A Level Film Studies course helps students to develop a number of skills which are highly sought after by both potential future employers and higher education institutions including critical thinking, analytical writing, reasoning, verbal communication, as well as technical skills. Many film students go on to forge successful careers in the arts and culture sector including the film industry, broadcasting, journalism, publishing, advertising and marketing, photography and design.

FOOD SCIENCE AND NUTRITION
LEVEL 3 DIPLOMA

An understanding of food science and nutrition is relevant to many industries and job roles. Care providers and nutritionists in hospitals use this knowledge, as do sports coaches and fitness instructors. Hotels and restaurants, food manufacturers and government agencies also use this understanding to develop menus, food products and policies that support healthy eating initiatives. Many employment opportunities within the field of food science and nutrition are available to learners who have studied Food Science and Nutrition. This is an A Level equivalent course.

Course Content

Students will complete three units: two mandatory and one optional, over the two years.

Unit 1: Meeting nutritional needs of specific groups will enable students to demonstrate an understanding of the science of food safety, nutrition and nutritional needs in a wide range of contexts, and through on–going practical sessions, to gain practical skills to produce quality food items to meet the needs of individuals.

Unit 2: Ensuring Food is Safe to Eat will allow students to develop your understanding of the science of food safety and hygiene; essential knowledge for anyone involved in food production in the home or wishing to work in the food industry. Again, practical sessions will support the gaining of theoretical knowledge and ensure learning is a tactile experience.

Studying one of the two optional units Unit 3 Experimenting to Solve Food Production Problems or Unit 4 Current Issues in Food Science and Nutrition will allow students the opportunity to study subjects of particular interest or relevance, building on previous learning and experiences.

What skills will I develop?

Students will build on and extend your practical food preparation skills and also each unit within the qualification has an applied purpose which acts as a focus for the learning in the unit. The applied purpose demands authentic work related learning in each of the available units. It also requires students to consider how the use and application of their learning impacts on themself, other individuals, employers, society and the environment. The applied purpose will also enable you to learn in such a way that you develop:

- skills required for independent learning and development.
- skills to ensure your own dietary health andwell being.
- a range of generic and transferable skills.
- the ability to solve problems.
- the skills of project based research, development and presentation.
- the ability to apply mathematical and ICT skills the fundamental ability to work alongside other professionals, in a professional environment.
- the ability to apply learning in vocational contexts.

Assessment:

The WJEC Level 3 Diploma in Food Science and Nutrition is assessed using a combination of internal and external assessment.

Career Opportunities

Together with other relevant qualifications at Level 3, such as AS and A levels in Biology, Chemistry, Sociology and Maths and/or Level 3 qualifications in Hospitality or Science, students will gain the required knowledge to be able to use the qualification to support entry to higher education courses such as: BSc Food and Nutrition, BSc Human Nutrition, BSc (Hons) Public Health Nutrition and BSc (Hons) Food Science and Technology.

FRENCH A LEVEL

Course Overview

A Level French takes your language skills to the next level — helping students move from being a good communicator to becoming a confident, independent speaker of French. Students not only deepen their understanding of the language, but also explore the culture, history, politics, and social issues that shape the French-speaking world today. The course encourages students to think critically, express opinions clearly, and engage with authentic materials such as films, news articles, and literature.

What You'll Study

Theme 1: Social Issues and Trends
The changing nature of family/The cyber-society/The place of voluntary work
Theme 2: Artistic Culture in the French-Speaking World : music , cinema, heritage
Theme 3: Aspects of Political Life in the French-Speaking World
Teenagers and the right to vote / Demonstrations and strikes /Politics and immigration
Culture - film/novel: "La Haine" by Mathieu Kassovitz and "No et moi" by Delphine de Vigan.

How You'll Be Assessed-Assessment is at the end of Year 13 and covers three components:
Paper 1 – Listening, Reading and Translation (50%)
Paper 2 – Writing (20%)- Two essays based on the film and the book studied.
Paper 3 – Speaking (30%)- A discussion based on one theme and a presentation/conversation on your Independent Research Project.

Skills You'll Develop

- Advanced communication and fluency in French
- Research and analytical skills
- Critical and cultural understanding
- Confidence in discussion and debate
- Transferable skills valued by universities and employers (problem-solving, creativity, adaptability)

Career Opportunities

Studying French at A Level is both intellectually stimulating and highly rewarding. It gives students a powerful tool for travel, study, and work in an increasingly global world. French is spoken on every continent (more than 50 countries and overseas territories) and is one of the key languages of diplomacy, international business, and culture.

An A Level in French demonstrates to universities and employers that students are independent, motivated, and able to think critically. It can lead to careers in law, international relations, business, journalism, tourism, translation, education, media, and the arts. It also pairs brilliantly with subjects such as English, History, Politics, and Economics.

GEOGRAPHY A LEVEL

Geography is a popular option at A Level. It is up to date, relevant and is one of the most exciting, adventurous and valuable subjects to study today. Students enjoy the scope of the material covered, the insights it can provide into understanding the world around us and the contemporary nature of the issues it tackles. It is a versatile subject, which bridges arts and sciences and has, as its focus, the relationships between people and their environment both locally and globally. Geography helps us to understand our own lives in a global world and face issues like climate change, water, food security and poverty eradication.

The range of skills covered is equally useful whether students intend to continue their studies at university or enter the world of work. The A Level course will help develop and produce evidence of problem solving, data collection, communication skills, spatial awareness, report writing, graphicacy, decision-making, statistical analysis, independent research, IT, teamwork and leadership. Fieldwork supports topics taught and there are optional curriculum enrichment trips to locations such as Iceland and Dorset's Jurassic Coast.

Assessment:

Paper 1: AS. Core Physical Geography. Data response and structured questions. Weighting 25%.

- Hydrology, rivers, floods and management.
- Atmosphere and weather.
- Plate tectonics, rocks and weathering.

Paper 2: Human Geography. Data response and structured questions. Weighting 25%.

- Population and migration – Global population, Population structure, Migration.
- Water resources and management – Global water resources, Factors influencing water resources at a regional / national scale, Management of water resources at a regional / national scale.
- Urban areas and management – Urban growth, Urban structure and change, Sustainable urban development.

Paper 3: Physical Geography: Structured questions and short essay. Weighting 25%

- Hazardous Environments. Earthquake and Volcano hazards and impacts. Tropical cyclone hazards and impacts. Wildfire hazards and impacts
- Coastal Environnements. Coastal processes. Coastal landforms. Coral reefs. Physical and human challenges to coastal environments.

Paper 4: Human Geography. Structured questions and short essays. Weighting 25%.

- Trade, aid and tourism – Global trade patterns and change, International organisations involved in trade and aid, International tourism.
- Disease and geography – Distribution of diseases, Pathogenic diseases (their spread and impacts), Monitoring and response to pathogenic diseases.

Each examination is 1 hour 30 minutes.

Examinations: Cambridge International Geography A Level retains an AS examination (Papers 1 & 2) taken in late October or early November of the Upper Sixth year. This could be in half-term fortnight. The A2 examination (papers 3 & 4) is taken at the end of the two year course.

NB: There is no compulsory field work and no course work in this geography syllabus.

Career Opportunities:

Statistics show that compared with other subjects geographers are among the most employable. This is because they possess the abilities and skills which employers look for, derived from a combination of arts and sciences. Examples include: environmental sustainability, sustainability and Economics, ESG (environmental, social and governance), financial services, personnel, conservation, planning, environmental consultancy, Geographical Information Systems, IT, marketing, heritage management, research, teaching, management, information services, water companies, civil service, the media, leisure and tourism, land management, surveying, cartography, weather forecasting, geology, transport, development and graduate training schemes in most companies.

HISTORY A LEVEL

History prepares pupils for the future, equipping them with knowledge and skills that are prized in adult life, enhancing employability and developing an ability to take part in a democratic society. It encourages mutual understanding of the historic origins of our ethnic and cultural diversity, and helps pupils become confident and questioning individuals.

In A Level History, students are encouraged to investigate and analyse the topics through a range of sources and develop their awareness of different viewpoints. By considering different interpretations, students develop an understanding of the nature of the discipline of History, and the ways in which History is produced. Students will consider why historians produce different interpretations of the same events and of the different approach historians adopt to their work. Students are constantly encouraged to ask the question, 'What is History?' and to develop their own responses to this question. Through the study of different events in different countries at the same time, they are able to develop an understanding of the impact individuals and ideas have on society.

Course content

Linear A Level (assessed at the end of Upper Sixth)
Edexcel Route F: Searching for rights and freedoms in the twentieth century.
• Unit 1: In search of the American Dream: the USA, c1917-96
• Unit 2: South Africa, 1948–94: from apartheid state to 'rainbow nation.'
• Unit 3: Ireland and the Union, c1774-1923
• Unit 4: This is the coursework unit, worth 20% of the total A Level. The topic for all students will be the Holocaust and the extent to which it was a long-term plan of the Nazis.

Assessment

Paper One: Breadth study with interpretations: 2 hrs and 15 mins. Focus on causation, consequence and evaluation of historical interpretations.

Paper Two: Depth study: 1 hr and 30 mins. Focus on the analysis and evaluation of contemporary source material and causation, consequence and change.

Paper Three: Themes in breadth with aspects of depth: 2 hrs and 15 mins. Focus on the analysis and evaluation of contemporary source material and causation, consequence and change together with essays based on the process of change.

Coursework: Independently-researched enquiry analysing and evaluating historical interpretations. The focus will be on disagreements between historians about the extent to which the Holocaust was a long term plan.

Career Opportunities

The skills developed when studying for an A Level in history are relevant and transferable to any future study. Techniques of research, analysis, interpretation and debate will be applicable in any future employment or education and you will develop these to a very high level. History as a subject is highly regarded and higher education establishments value the study of History. Many of our students have continued on to study history at top UK universities and pursued historical research through to doctorate level.

COMPUTER SCIENCE
A LEVEL

Course Overview (Cambridge International)

Computer Science is a practical subject that enables you to apply the academic principles learned in the classroom to real world systems. It is a creative subject that helps you to develop the skills to solve problems, design systems and understand the power and limits of human and machine intelligence. There is an emphasis on learning computer programming and the mathematical skills used to express computational laws and processes. This course is a great choice if you enjoy logical challenges and creativity in equal measure, and it provides a strong foundation for university study, apprenticeships or careers in software engineering, data science, cybersecurity, or AI.

Entry requirements

A passion for computing and coding is essential and sound mathematical skills are also required. If you have GCSE Computing, the A-level builds on the work you have done in GCSE. However, if you have not taken the GCSE Computing course then we will teach you everything you need to know.

Assessment

Paper 1 Theory Fundamentals

- Paper 1 will assess sections Information Representation, Communication, Hardware, Processor Fundamentals, System Software, Security, Privacy and Data Integrity, Ethics and Ownership, Databases.
- 1 hour 30 minutes, 75 marks (50% of the AS Level 25% of the A Level).

Paper 2 Fundamental Problem-solving and Programming Skills:

- Paper 2 will assess sections Algorithm Design and Problem-Solving, Data Types and Structures, Programming, Software Development. Candidates will need to write answers in pseudocode.
- 2 hours, 75 marks (50% of the AS Level 25% of the A Level).

Paper 3 Advanced Theory:

- Paper 3 will assess sections Data Representation, Communication and Internet Technologies, Hardware and Virtual Machines, System Software, Security, Artificial Intelligence (AI), Computational thinking and problem solving, Further Programming.
- 1 hour 30 minutes, 75 marks (25% of the A Level).

Paper 4 Practical

- 2 hours, 75 marks (25% of the A Level).
- All assessments are external examinations and there is no coursework.

Career Opportunities

From games developer to manager of IT and communications services, computer science students have a range of opportunities open to them. Almost a third of computer science graduates employed in the UK are working as programmers and software development professionals. Many are working as web design and development professionals.

Most businesses rely on computers to function effectively, so whether you want to work for an IT consultancy, a major organisation in retail, aerospace or healthcare for example, or even set up your own web design business, you'll have a great start to your career with a sought-after computer science qualification.

MATHEMATICS A LEVEL

An A Level in Mathematics develops skills in logical thinking and the ability to process information accurately. There are very few degree subjects for which A Level Mathematics would not be an acceptable entrance requirement.

Why Mathematics?

Research has shown that people with a post-GCSE qualification in mathematics are very employable. A Mathematics degree is very desirable and can lead to jobs such as engineering, computing, law, finance and communications.

Mathematics also complements and assists the understanding of a number of other A Level subjects such as Psychology, Geography, the Sciences, Economics and Business Studies.

Requirements to study Mathematics

Students wishing to study Mathematics at A Level must have at least a Grade 7 at GCSE. However, we would ideally suggest a Grade 8 or 9.

Examination Structure and Content Overview

The Pearson Edexcel Level 3 Advanced GCE in Mathematics consists of three externally-examined papers.

Students must complete all assessments in May/June in any single year, most commonly, all three papers are taken at the end of Upper Sixth.

Paper 1: Pure Mathematics 1 (Paper code: 9MA0/01)
Paper 2: Pure Mathematics 2 (Paper code: 9MA0/02)

Each paper is:
2 hour written examination
33% of the qualification
100 marks

- Topic 1 – Proof
- Topic 2 – Algebra and functions
- Topic 3 – Coordinate geometry in the (x, y) plane
- Topic 4 – Sequences and series
- Topic 5 – Trigonometry
- Topic 6 – Exponentials and logarithms
- Topic 7 – Differentiation
- Topic 8 – Integration
- Topic 9 – Numerical Maths
- Topic 10 – Vectors

Assessment overview

- Paper 1 and Paper 2 may contain questions on any topics from the Pure Mathematics content.
- Students must answer all questions.
- Calculators can be used in the assessment.

Paper 3: Statistics and Mechanics (Paper code: 9MA0/03)

2 hour written examination / 33% of the qualification / 100 marks

Content overview

Section A: Statistics

- Topic 1 – Statistical sampling
- Topic 2 – Data presentation and interpretation
- Topic 3 – Probability
- Topic 4 – Statistical distributions
- Topic 5 – Statistical hypothesis testing

Section B: Mechanics

- Topic 6 – Quantities and units in mechanics
- Topic 7 – Kinematics
- Topic 8 – Forces and Newton's laws
- Topic 9 – Moments

FURTHER MATHEMATICS A LEVEL

Further Mathematics should be taken in conjunction with Mathematics. It is particularly useful for those pupils who wish to pursue careers in mathematics, the sciences, engineering, computing and finance. For some courses at some universities this may be a requirement.

Requirements to study Further Mathematics

Students wishing to study Further Mathematics at A Level are expected to have achieved a Grade 9 at GCSE or IGCSE. In exceptional cases, a Grade 8 may be considered.

Examination Structure and Content Overview

The Further Mathematics A Level builds on the skills, knowledge and understanding established in the GCSE course and the Level 3 Mathematics course. Assessments throughout the course draw together different areas of their knowledge, skills and understanding from across the full course of study for both the Level 2 Mathematics and Further Mathematics programs.

The Pearson Edexcel Level 3 Advanced GCE in Further Mathematics consists of four externally-examined papers.

Students must complete all assessments in May/June in any single year.

Paper 1: Core Pure Mathematics 1
(Paper code: 9FM0/01)

Paper 2: Core Pure Mathematics 2
(Paper code: 9FM0/02)

Each paper is:

1 hour 30 minutes written examination
25% of the qualification: **75 marks**

Content overview

Proof, Complex numbers, Matrices, Further algebra and functions, Further calculus, Further vectors, Polar coordinates, Hyperbolic functions, Differential equations

Assessment overview

- Paper 1 and Paper 2 may contain questions on any topics from the Pure Mathematics content.
- Students must answer all questions.
- Calculators can be used in the assessment.

Paper 3: Further Mathematics Option 1
(Paper code: 9FM0/3A-3D)

Paper 4: Further Mathematics Option 2
(Paper code: 9FM0/4A-4D)

Each paper is:

1 hour 30 minutes written examination
25% of the qualification: **75 marks**

Content overview

For each paper students take one module.

Modules can be chosen from Further Pure Mathematics, Further Statistics, Further Mechanics and Decision Mathematics.

The modules chosen will be depend on the students studying Further Mathematics, with the final decision being made by their teachers.

Assessment overview

- Students must answer all questions.
- Calculators can be used in the assessment.

MARKETING BTEC

Marketing helps students understanding why people buy what they do, how brands influence choice, and how digital media is reshaping business. Then our Level 3 BTEC in Marketing is an ideal choice. This highly practical qualification offers you the opportunity to develop the real world skills, industry awareness and strategic thinking needed to progress to university or into a marketing career.

Course Titles & Opportunity

Pearson BTEC Level 3 National Extended Certificate in Marketing

This programme gives students the opportunity to:

- Explore a wide range of marketing functions including campaigns, branding, customer communications and digital promotions.
- Apply your learning to realistic business situations and live projects which reflect what marketers do today.
- Develop the knowledge, skills and attributes that universities and employers value such as creative thinking, analysis, communication and teamwork.

Key Features

- **Industry relevant content:** The specification has been developed in partnership with employers, ensuring learning is up to date with current marketing practice.
- **Practical & vocational focus:** Students will engage with authentic tasks and assessment that mirror real marketing roles moving beyond purely theoretical study.
- **Progression ready:** Whether the next step is higher education (degrees in marketing, business, media) or direct entry to an apprenticeship or marketing role, this qualification supports ambitions.
- **Flexible delivery:** With both mandatory core units and optional specialist units, the course allows students to tailor your learning path according to your strengths and career goals.

Career Opportunities

Completing the BTEC in Marketing opens up a wide range of future pathways. Many universities accept this qualification for entry onto degree programmes in business, marketing, digital media, or related fields. It also provides access to apprenticeships and entry-level roles such as marketing assistant, digital marketing coordinator, social media specialist, or account executive. With experience, you can progress to positions such as brand manager, marketing analyst, or campaign manager — or even use your skills to launch your own business.

MEDICAL SCIENCE AAQ

The Pearson Level 3 Alternative Academic Qualification BTEC National in Medical Science (Extended Certificate) enables students to study the principles and applications of medical science through three mandatory units, and further explore other areas in more detail via an optional unit.

Students will also learn practical and investigation skills that build on this fundamental knowledge.

The mandatory units cover the following areas:

- Human anatomy, physiology and pathology
- Health issues and scientific reporting
- Practical microbiology and infectious diseases.

The optional units provide opportunity for students to choose one of the following specific specialist area in which they wish to develop their knowledge and skills:

- Diseases, disorders, treatments and therapies
- Biomedical science
- Human reproduction and fertility.

The qualification is designed to be taken alongside A Levels as part of a study programme and can link to learning in subjects such as Sport, Criminology, Chemistry and Psychology. It is intended for students that wish to progress into higher education as a pathway to employment.

The course is 360 Guided Learning Hours and equivalent in size to one A Level. There are four units of which three are mandatory and two are externally assessed.

Mandatory units - students complete and achieve all units

Unit number	Unit title	GLH	Type	How assessed
1	Princliple of Human Physiology, Anatomy and Pathology	90	**Mandatory**	External
2	Health Issues and Scientific Reporting	120	**Mandatory**	External
3	Practical Microbiology and Infectious Diseases	90	**Mandatory**	Internal

Optional units - students complete and achieve 1 unit

Unit number	Unit title	GLH	Type	How assessed
4	Diseases, Disorders, Treatments and Therapies	60	**Option**	Internal
5	Biomedical Science	60	**Option**	Internal
6	Human Reproduction and Fertility	60	**Option**	Internal

External assessment

58% of the total qualification GLH is made up of external assessment.

MUSIC BTEC

Course overview

The BTEC Level 3 National Extended Certificate iin Music Performance. This is a largely a practical course with much opportunity for collaboration and music-making.

There are three mandatory units in Music Performance; Ensemble Performance, Professional Practice in the Music Industry and Music Theory. Students will then choose one from a range of units to suit your musical tastes and abilities. These include Solo Performance, Composition and Arranging music. Students will learn to perform in a range of styles including practical lessons rehearsing, composing, forming bands and groups, trips to studios, events and concerts.

How will I be assessed?

Some units are externally assessed whilst the others are internally assessed and graded Pass, Merit or Distinction. A variety of methods are used including presentations, vlogs, recordings, written projects and performances.

What careers or higher education follow from this subject?

Musicians can go on to numerous careers within and beyond the world of music. The skills required to be a good musician (creativity, listening, perseverance, team skills) are sought by further and higher education courses and employers from all walks of life. We would encourage students to join or help lead one of our many ensembles/choirs and/or form your own band. We would highly recommend having instrumental or vocal lessons from one of our talented and dynamic peripatetic teachers. Students will have the opportunity to take part in a number of performances in a range of venues.

Why study this subject?

Music is all around us. It influences our moods and emotions and stimulates us in many ways. It is a universal language central to cultures around the world. Recent neurological research has proven that studying an instrument is the only activity we do that engages every part of the brain. It develops intelligence, ability to solve problems and emotional insight. This course will gives students the opportunity to immerse themselves in music and express themselves as a performer and/or a composer. It will give an insight into the varied employment opportunities in the music industry and practical experiences and performance opportunities.

MUSIC A LEVEL

Course Content

We currently follow the Edexcel A level music course. This is kept under review to ensure that course content is suitable and stimulating for KC students.
All music courses comprise performing, composing and appraising modules, offering the study of a wide range of styles covering vocal and instrumental music, fusion, film music, and popular music/jazz. Encouragement is made to compare across genres and to really understand the context as well as the content of each style.
One of the benefits of academic music is the way in which it links co-curricular activity with serious and transferable study skills. In this way the music department's team of specialist teachers are available to develop skills in our music students.

Requirements

Students will have a keen interest in creating and listening to different styles of music; they will wish to broaden their experience and deepen their understanding of both live and recorded music. Students who are interested in all styles of music will appreciate this course as it focuses on classical and popular styles, and the fusion of the two. Students should be able to play an instrument to Grade 5/6 level and would look to attain Grade 7/8 standard by the Upper Sixth form. Students should be able to read music and must have attained an grade 7 or above in GCSE Music.

Assessment structure

Performing (30%)	8 minute performance
Composing (30%)	2 pieces totalling a minimum of 6 minutes
Appraising (40%)	2 hour exam
	18 set works covering Vocal Music, Instrumental Music, Music for Film, Popular Music and Jazz, 'New Directions'

Career Opportunities

The course develops the following skills: communication, planning, knowledge, information technology, problem solving, performance, confidence, working with others and time management. Students learn a great deal about music and the music industry. Musicians go on to study at many courses in humanities, social sciences music or performing arts at degree level including at Oxbridge and Conservatoires

PHOTOGRAPHY
A LEVEL

A Level Photography is part of the same umbrella of qualifications as Art and Textiles. It is a two year subject for students who are creative and have imaginative minds.

The assessment objectives are worded so they can be equally interpreted across the different courses. It is recommended that students should have already achieved a Grade 6 or above in a 'creative' GCSE; however, any previous experience of presenting a creative subject is advantageous.

The course will fully cover digital photography and the moving image. There will also be an opportunity to try traditional chemical techniques using 35mm film and the darkroom facilities.

The course runs over the course of Lower and Upper Sixth and comprises of two final assessed units in Upper Sixth.

Course content:

Lower Sixth:

- A portfolio/body of evidence.

This aims to demonstrate new skills, understanding and the development of ideas and experimentation.

While learning about techniques and the more complex issues regarding the controls on SLR cameras, students will be given a variety of photographic assignments to carry out. These will focus on different aspects of both the commercial world and artistic use of photography.

Students will initially work in a journal / sketchbook to record new skills and techniques before transferring digitally to power point for the bulk of the coursework.

Contextually they will produce a historic time line that will include major changes in the medium onto which they will be also expected to add examples of work by photographers they have studied. Students will be taught basic cropping and colour balancing skills as well as advanced post production techniques including Photoshop re-touching and multiple-layered compositions.

Upper Sixth:

- Personal investigation (60%) including a written related study
- Externally set task (40%)

Students who consider continuing to art college will be helped and advised in the creation of a portfolio suitable to their application/course, application statement, reference and interview technique.

POLITICS A LEVEL

Why study Politics?

The study of Politics has never been more relevant or more urgent. Across the globe, we face extraordinary challenges — to our climate, to international peace and security, and to the very principles of democracy. Political leaders must navigate threats ranging from environmental crises to terrorism, cyber-attacks, and growing tensions between established and emerging powers.

Studying Politics provides an essential guide to understanding the world around us. It asks us many key questions such as: What ideas and values shape our political systems and beliefs? How do the institutions that make and uphold our laws operate? Where does their authority and legitimacy come from?

Our A Level Politics course offers an engaging and thought-provoking introduction to this dynamic subject. Students will explore the political systems of both the UK and the USA — two countries that share democratic ideals yet differ in fascinating and important ways.

One of the most exciting aspects of studying Politics is its ever-changing nature. No topic is ever taught exactly the same way twice, because politics never stands still. It is the first draft of history — and a new page is written every day.

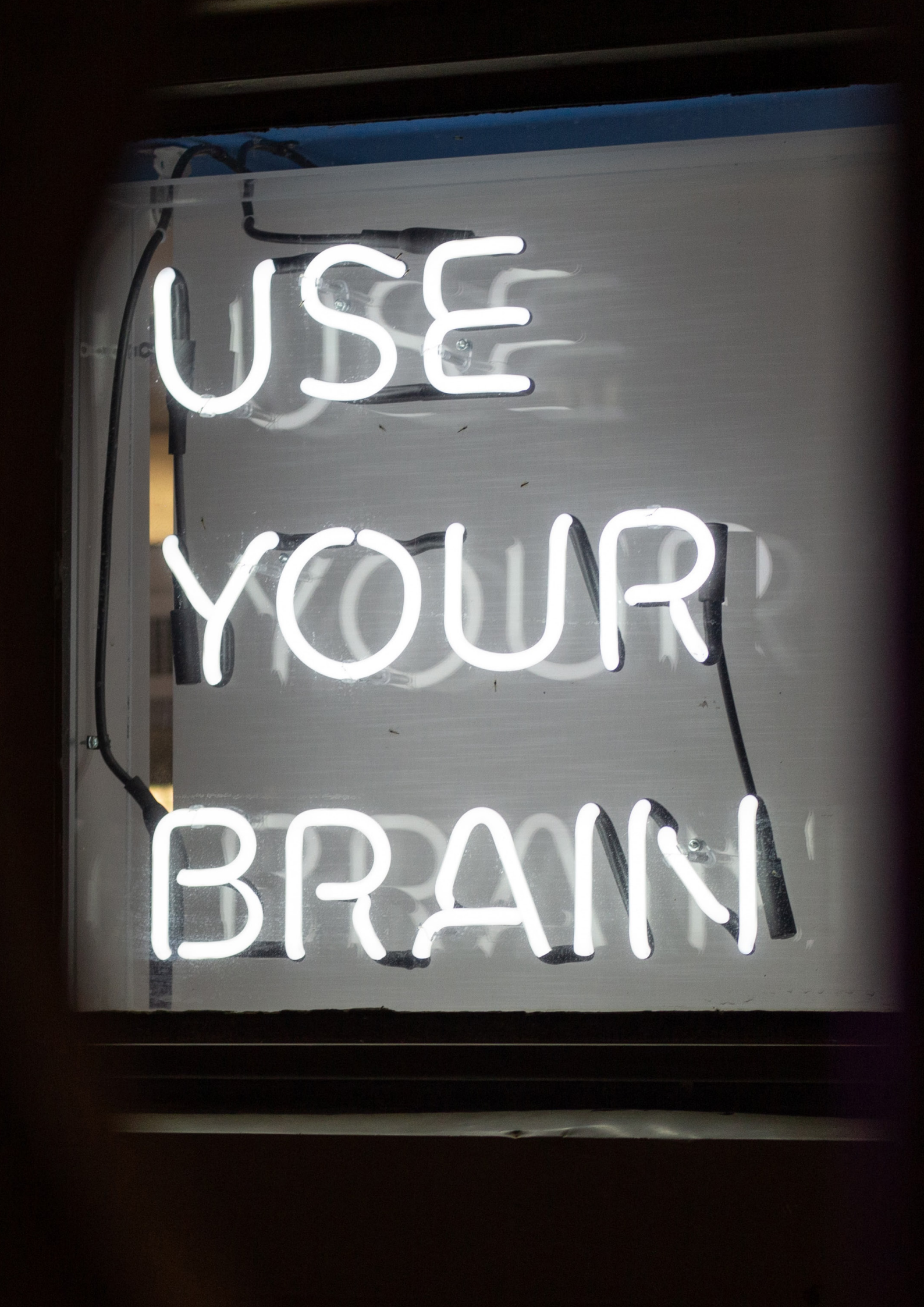
Course content

We study the AQA A level Politics course, which is structured as follows:

Unit	Subject content	How it's assessed
Paper 1	Government and politics of the UK	➔ Written exam: 2 hours ➔ 33⅓ % of A-level
Paper 2	The government and politics of the USA. Comparative politics (US/UK).	➔ Written exam: 2 hours ➔ 33⅓ % of A-level
Paper 3	Political ideas	➔ Written exam: 2 hours ➔ 33⅓% of A-level

Career Opportunities

Beyond developing your understanding of current affairs and the world we live in, Politics equips students with valuable skills for life. You will develop critical thinking, analytical reasoning, debating, and written communication skills — these are vital abilities for successful university study and for the world of work. As a result, Politics is a very highly regarded subject by both universities and employers. Politics students go on to pursue a wide range of careers, including law, journalism, PR and marketing, public policy, international relations, business, and beyond.


USE
YOUR
BRAIN

PSYCHOLOGY A LEVEL

Psychology is an exciting and increasingly popular subject, which seeks to explain human behaviour and thought processes. A minimum of grade 4/5 in GCSE English and Mathematics indicates the necessary verbal and numerical skills required for A Level Psychology.

AQA Course Content:

	Content	Assessment	Questions
Paper 1: Introductory Topics in Psychology	➔ Social Influence ➔ Memory ➔ Attachment ➔ Clinical Psychology and Mental Health	➔ 2 hour written exam ➔ 96 marks ➔ 33.3% of A Level	Four compulsory sections all requiring written answers.
Paper 2: Psychology in Context	➔ Approaches in Psychology ➔ Biopsychology ➔ Research Methods	➔ 2 hour written exam ➔ 96 marks ➔ 33.3% of A Level	Three compulsory sections all requiring written answers.
Paper 3: Issues and Options in Psychology Content	➔ Issues and Debates in Psychology ➔ One from: Relationships; Gender; Cognition and Development ➔ One from: Schizophrenia, Eating Behaviour; Stress ➔ One from: Aggression; Forensic Psychology; Addiction	➔ 2 hour written exam ➔ 96 marks ➔ 33.3% of A Level	One compulsory section. Three sections each offering a choice of three topics. Sixth Formers answer one question from each section.

Career Opportunities

Psychology A Level is considered a very useful subject by universities and colleges, particularly in the fields of business and economics, marketing and advertising, child care and social work, health-related courses, occupational therapy and speech therapy, sports science, law, hotel management and tourism and teaching. A degree in psychology opens careers in a vast range of areas where interpersonal relations and an understanding of human behaviour are essential or valuable, while offering Sixth Formers the chance to develop a range of important transferable skills. The discipline has a number of branches that can be pursued and following the completion of relevant British Psychological Society recognised qualifications, can for instance, lead to achieving a chartered status, as a Clinical, Counselling or Educational Psychologist.

Useful Websites include:

www.aqa.org.uk AQA Examining Board (for details of course syllabus and assessment)
www.bps.org.uk British Psychological Society Homepage

SPORT BTEC'S

EXTENDED CERTIFICATE | DIPLOMA | EXTENDED DIPLOMA

Course Content

This course offers students with a genuine interest in sport, as well as those looking to develop breadth in their options, the opportunity to study a challenging course combining both academic and practical skills. The course is split into assignment-based assessments and two external exam units, which can be taken at least twice over the course duration. The students who have opted for it are thoroughly enjoying the variety of teaching methods the BTEC content allows for.

The variety of practically taught sessions leads to the development of leadership skills, as well as moral and social development.

Career Opportunities

For learners who wish to study an aspect of sport in higher education, the opportunities are vast. Some examples accepting BTEC include:

- BSC (Hons)in Sport Psychology, if taken alongside A Level in Psychology
- BA (Hons) in Sport and Exercise Science
- BA (Hons) in Secondary Physical Education
- BSC (Hons) Sport PE and Coaching Science
- BSC (Hons) Physiotherapy
- BSC (Hons) Nutrition

Other potential careers include:

- Sports coach
- Strength and conditioning coach
- Sports nutritionist
- Armed forces
- PE teacher

BTEC Level 3 National Extended Diploma in Sport (Equivalent to 3 A levels)

14 units, 4 exam units.
Units 1, 2, 3, 5 and:
Unit 4 – Leadership in Sport (coursework)

Unit 7 – Practical Sport (coursework)

Unit 8 – Coaching for Performance (coursework)

Unit 9 – Research Methods (coursework)

Unit 10 – Sports Event Organisation (coursework)

Unit 19 – Development and Provision of Sport and Physical Activity (exam)

Unit 22 – Investigation Business in the Sports and Active leisure Industry (exam)

Unit 23 – Skill Acquisition in Sport (coursework)

Plus 2 additional coursework units depending on the cohort of pupils.

BTEC Level 3 National Diploma in Sport (Equivalent to 2 A levels)

Units 1-5 and:
Unit 4 – Leadership in Sport (coursework)

Unit 7 – Practical Sport (coursework)

Unit 10 – Sports Event Organisation (coursework)

Unit 22 – Investigation Business in the Sports and Active leisure Industry (exam)

Unit 23 – Skill Acquisition in Sport (coursework)

BTEC Level 3 National Extended Certificate (Equivalent to 1 A level)

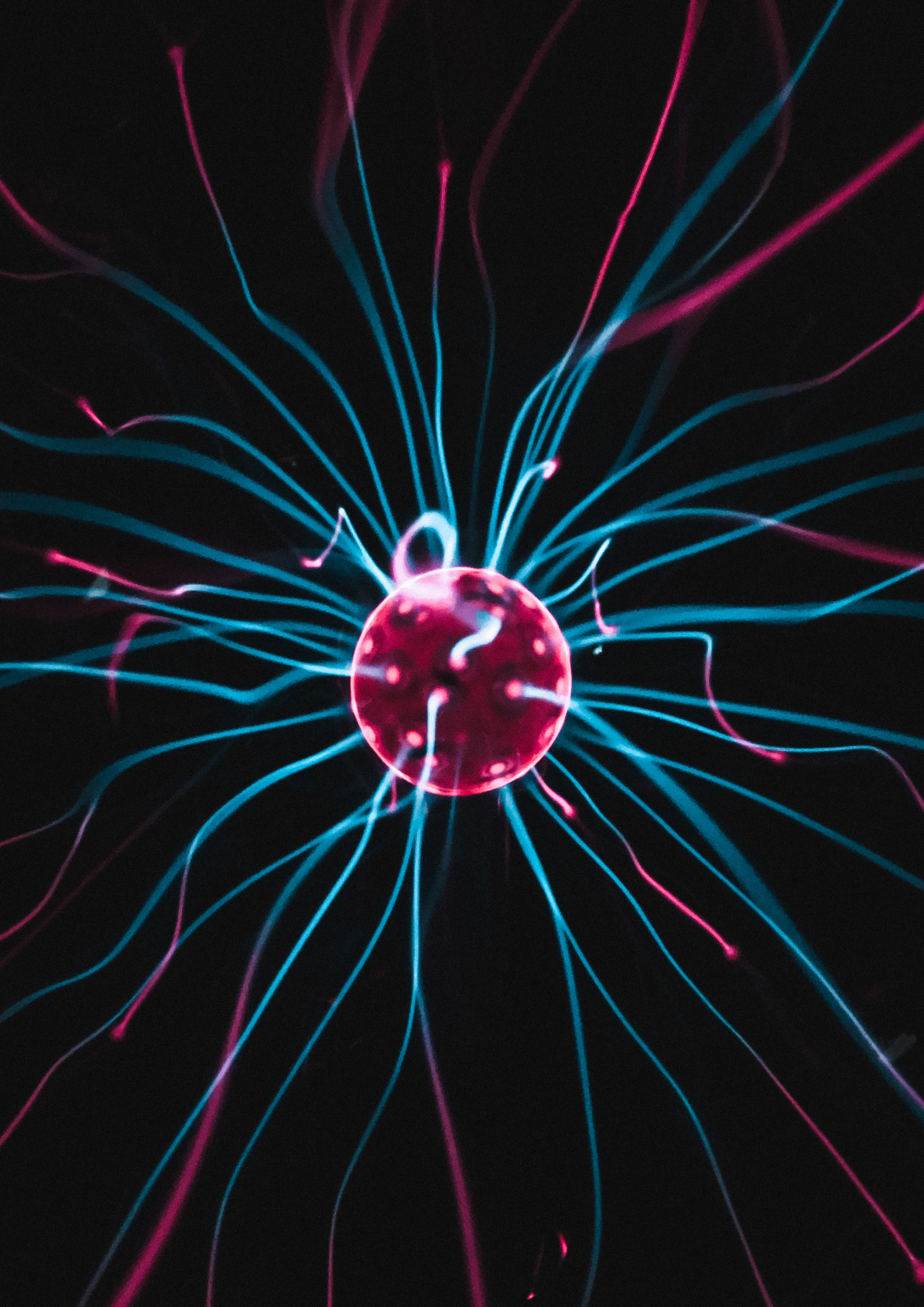
Unit 1 – Anatomy and Physiology (Exam)

Unit 2 – Fitness, training and programming for Health, Sport and Wellbeing (exam)

Unit 3 – Professional Development in Sport (Coursework)

Unit 5 – Applied fitness testing (Coursework)

Kent
College
Grays



PHYSICS A LEVEL

Physics is the most fundamental and venerable of the sciences, and can lead to the most diverse and flexible range of careers and skills, from space travel to archaeology, biophysics to financial markets and global engineering. Amongst admission tutors and recruiters alike, it is considered a very valuable A Level.

The AQA (Specification A) A Level Physics course is designed to develop student's knowledge and understanding in physics and its applications, to develop the link between theory and experiment and to extend their understanding of the way in which mathematical processes relate to physical principles. A full programme of practical work is included to reinforce the theory lessons.

A typical week's homework would include a set of numerical and qualitative problems, a web based assignment and preparation for and writing up an experiment. Students are encouraged to read around the subject, for example by reading New Scientist or Physics Review regularly.

Entry requirements

The minimum entry requirement for the course is grade 7 or above at GCSE Physics or equivalent grades at GCSE Double Award Science. A grade 7 or above at GCSE Mathematics is also required.

Course overview

Unit	Content
1	Measurements and their errors
2	Particles and radiation
3	Waves
4	Mechanics and materials
5	Electricity
6	Further mechanics and thermal physics
7	Fields and their consequences
8	Nuclear physics
Option 9	Astrophysics

Paper	Assessment	Exam	Weighting
1	Sections 1 – 5, 6.1 (periodic motion)	2hr	34%
2	Sections 6.2, 7, 8	2hr	34%
3	Section A: Practical skills and data analysis Section B: Optional topic	2hr	32%
Non-exam	Practical Endorsement for Physics: Reported separately (does not count towards the A Level)		

This new A Level is a two year course with all final exams being taken at the end of year two. There is no coursework element, but practicals are an integral part of the course and a practical skills verification will form an additional part of the final A Level grade.

SPANISH A LEVEL

Why study Spanish to A Level?

Spanish is a global language with over 460 million native speakers influencing culture, economy and international relations across the world. It is the second most widely spoken language after Mandarin and the official language in 21 countries. In Britain, it is the most popular language to study at A Level and GCSE.

It is estimated that by 2068, around 726 million people will speak Spanish with the US set to become the second largest Spanish speaking country due to Latin American immigration.

Why study Spanish A Level at Kent College?

We follow the AQA syllabus, which provides students with an in-depth understanding of culture, politics and society. Lessons involve thoughtful discussion and debate in small groups, where every student is supported and encouraged to express their views. Students often explore significant contemporary issues for the first time, broadening their political and cultural understanding.

Course Content

Year 12 Topics

- Changes in the family. Learning about types of 21st century Spanish families and how they differ from the past including trends in marriage with modern and traditional values, religious history and the influence of the church.
- Cyberspace. Discussing the positive and negative influence of the internet and the influence of social networks on society.
- The equality of the sexes. Women in the workplace and the role of women at home. Male chauvinism and the role of feminism. LGTB rights and gay marriage in the Hispanic world.
- The positive and negative influence of singers, musicians and TV stars on modern society. The fashion industry and it's influence on young people.
- Regional identity in Spain including customs and traditions, differences in gastronomy, and the different languages spoken in Spain.
- Cultural heritage, historical sites and prehistoric civilisations. Art and architecture and exploration of Hispanic music and dance.

Year 13 Topics

- Immigration: Discussing the positives and negatives, and the problems that illegal immigrants may face.
- Racism: Discussing racist and xenophobic attitudes.
- Coexistence and harmony of different cultures. Looking at integration of different cultures.
- Youth in Spain and their attitude to politics. Social and economic issues affecting young people.
- Franco's dictatorship. The impact of the Spanish Civil War and life under Franco.
- Popular movements in Spain. Looking at modern day politics and the efficacy of the power of protest.

Alongside the above topics, you will study:

- A novel, Como agua para chocolate by Laura Esquivel
- A Film, El Laberinto del Fauno by Guillermo del Toro

Assessment and Examinations

Paper 1: Listening, Reading & Writing (50%)

Paper 2: Writing (literary texts & films) (20%)

Paper 3: Speaking (30%) – includes a research project on a chosen cultural or social topic connected to the Spanish speaking world

TEXTILE DESIGN
A LEVEL

Textile designers are expected to work in a multi-disciplinary way to create ideas, concepts, materials and techniques for different applications. These include fashion and clothing, theatre or film production, as well as fabrics for interior applications and packaging. Textile design can also be interpreted as a personal and individual fine art discipline.

Course Content

We follow the Edexcel A Level specification which requires students to generate and develop ideas, research and record practical and written observations, experiment with media and processes, and refine ideas in one of the following areas:

- Textiles for Interiors
- Fine Art Textiles
- Fashion Textiles

Lower Sixth

Component 1: Personal Investigation (internally set and assessed by the teacher)

Component 2: Personal Investigation (internally set and assessed by the teacher)

The above tasks do not count towards the overall A Level mark but develop the skills required for success at the end of Upper Sixth.

Upper Sixth

Component 1: Personal Investigation (60% of total qualification)
Internally set, assessed by the teacher and externally moderated by Edexcel

Component 2: Externally Set Assignment (40% of total qualification)
Released to students on 1st February, assessed by the teacher and externally moderated by Edexcel.

Trips and Extra-Curricular Activities

Sixth Formers are encouraged to visit galleries, trade fairs, fashion shows and local exhibitions. Films, architecture, music, literature and nature are also important influences in the design world. We welcome outside speakers from the design industry to support the Sixth Formers' understanding. Sixth Formers are encouraged to enter the Young Fashion Designer competition hosted at Kent College and all students are invited to showcase their work in the annual runway show or exhibition.

Career Opportunities

Textile design is both a creative and academic course and it can be combined with any other subject. It combines creative, practical and analytical skills with knowledge and understanding, which will support a range of careers and university courses. These could include fashion/textile design, fashion illustration and promotion, fashion marketing or buying, print design, pattern cutting and textile art. Recent destinations have included:

- London College of Fashion, Fashion design
- Brighton, Fashion with Business Studies
- Central Saint Martins, Foundation Diploma in Fashion and Textiles
- Nottingham Trent, Fashion
- Leeds, Fashion Marketing

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