

# Queen Elizabeth's Grammar School



## Sixth Form Options Guide

2024

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**\*Enhancement subjects**

# Introduction

Welcome to Queen Elizabeth's Grammar School Sixth Form.

The Sixth Form is a high profile part of this outstanding school, with an excellent track record of examination results and applications to competitive courses in Higher Education, alongside other academic routes, apprenticeships and alternative training pathways.

The majority of our current students and an increasing number of students from other schools join this highly successful Sixth Form at the end of Year 11.

The Sixth Form represents two pivotal years in the lives of all pupils at Queen Elizabeth's Grammar School. Students are treated as individuals and also take an active role in supporting the wider school community.

All students have access to high quality guidance and support throughout their time in the Sixth Form. Mentoring conversations assist students with everything from discussions around academic progress, setting personal targets, career pathways and personal issues. The pastoral support at Queen Elizabeth's is an area of particular strength. Feedback demonstrates that students really value and enjoy the Sixth Form experience at this school.

The academic and extra-curricular opportunities on offer help ensure that students leave Queen Elizabeth's Grammar School well qualified and prepared for the broader challenges of adult life. This includes a weekly enrichment and PSHE programme, forming an integral part of their school timetable.

Choosing the correct subjects to study and excelling in them is vital for all students. We hope that the information contained within this guide, alongside the information in the online prospectus, will help students to make informed decisions about subject choices and potential career pathways available to them.

The School offers a challenging and broad range of 'A Level' options. This guide contains information about the courses available to study from September 2024. Each course description outlines entry requirements, potential Higher Education opportunities and potential careers, which we hope you will find useful. All students are expected to study a minimum of four courses, comprising three full academic subjects and one enhancement course. Students who are working at a GCSE score of 45 points or higher from their best six subjects will be considered to study four full 'A' level courses.

Option choices for studying in the Sixth Form should be completed by **Monday 26th February 2024**. External applicants will be considered after this date but please contact us directly to discuss your options. This allows students time to consider their performance in mock examinations and discuss choices with form tutors and subject teachers, which we strongly encourage. Students applying from other schools are invited to discuss their choices with our staff at any stage, particularly during individual application meetings.

Mr PH Larter and Mr T Finn-Kelcey - Joint Heads of Sixth Form

# Admission to the Sixth Form

Priority will be given to existing pupils transferring from Year 11 who meet the entrance criteria. Admission to the Sixth Form will be as a result of applicants accruing at least **33 points** from their best six GCSE, AS or CNAT grades. Short course GCSEs may be included within this calculation but at half value i.e. a 7 grade in RS would count as half a grade at 3.5 points. Applicants must also achieve at least a **grade 5** in either GCSE Mathematics or an English qualification.

Applicants must achieve at least GCSE grade 6 in subjects they wish to study at A Level, with the exception of Mathematics, where a grade 7 or higher is required. In the case of new subjects e.g. Psychology, Economics, Government and Politics etc., please see the subject sections in this guide where you will find the specific entry requirements. The admission number for external candidates will be 40, but this figure may be exceeded in the event that this and the number of internal pupils transferring into Year 12 is less than the overall figure for the year group, which is 160.

The next page of this guide has a table of essential qualifications for each subject.

For example:

A student with the following grades: History 7, Geography 5, French 6, Biology 5, Chemistry 6, Physics 5, Spanish 7, English Language 6, English Literature 8, Mathematics 5 and Photography 7 would score  $8+7+7+7+6+6 = 41$  points and qualify for the sixth form studying subjects such as History, Chemistry, Spanish or English Literature.

**Old GCSE**                      **CNAT (iMedia)**                      **AS**

Grade	Points	Grade	Points	Grade	Points
A*	8.50	Level 2 Distinction	7	A	10.75
A	7.00	Level 2 Merit	5.5	B	8.88
B	5.50	Level 2 Pass	4	C	7.00
C	4.00	Level 1 Distinction	3	D	5.13
D	3.00	Level 1 Merit	2	E	3.50
E	2.00	Level 1 Pass	1		
F	1.00				
G	1.00				

## Subject Entry Requirements Table

Subject	Essential qualifications
<b>Art &amp; Design</b>	6 in Art
<b>Biology</b>	6 in Biology <b>OR</b> 66 in Combined Science
<b>Chemistry</b>	6 in Chemistry <b>OR</b> 66 in Combined Science
<b>Computer Science</b>	6 in Computer Science
<b>Design Technology</b>	6 in a Technology GCSE
<b>Economics</b>	6 in Mathematics <b>AND</b> 6 in English Language <b>ALSO</b> 6 in Economics (if studied for GCSE)
<b>English Language</b>	6 in English Language
<b>English Literature</b>	6 in English Literature
<b>Environmental Science</b>	6 in two science subjects / 66 Combined Science
<b>Extended Project Qualification <i>Enhancement Subject</i></b>	6 in an English GCSE
<b>Film Studies</b>	6 in Film Studies/Media Studies <b>OR</b> 6 in an English GCSE
<b>Geography</b>	6 in Geography <b>OR</b> 6 in a Humanities GCSE
<b>German</b>	6 in German
<b>Government &amp; Politics</b>	6 in Humanities/Social Science subject <b>AND</b> 6 in English Language
<b>History</b>	6 in History
<b>Mathematics</b>	7 in a Higher Tier Mathematics paper
<b>Mathematics (Further)</b> (as a fourth A Level alongside Mathematics)	7 in a Higher Tier Mathematics paper
<b>Mathematics (in Context)</b> <i>Enhancement Subject</i>	4 in Mathematics
<b>Music</b>	6 in Music <b>AND</b> Play an instrument or sing at Grade 5 or above
<b>Physical Education</b>	6 in Physical Education/Sport <b>OR</b> a 6 in a Science GCSE
<b>Physics</b>	6 in Physics <b>AND</b> 6 in Mathematics
<b>Psychology</b>	6 in Mathematics <b>AND</b> 6 in English Language <b>ALSO</b> 6 in Biology if taken [or in either Chemistry or Physics if not]
<b>Sociology</b>	6 in Humanities/Social Science subject <b>AND</b> 6 in English Language
<b>Spanish</b>	6 in GCSE Spanish

# Options explained

Five option blocks are used for timetabling purposes in the sixth form. Students are timetabled for four of these blocks. Some examples of subject combinations are shown below.

**Student A** has chosen to study three full 'A' levels and one enhancement course. The enhancement option will be examined at the end of year 12 and year 13 respectively.

**Student B** has chosen to study four full 'A' levels with examinations at the end of year 13

	Block A	Block B	Block C	Block D	Block E	
<b>Student A</b> <i>English Language,                      Spanish, Art</i>	Year 12	English Language	Art and Design	EPQ	German	
	Year 13	English Language	Art and Design	Work Experience	German	
<b>Student B</b> <i>Biology, Chemistry                      Economics, Maths</i>	Year 12		Economics	Chemistry	Maths	Biology
	Year 13		Economics	Chemistry	Maths	Biology

## Please note

If a student chooses to study Further Mathematics, then it should be combined with 3 other full A Levels, one of which must be Mathematics. This is due to the fact that some universities for particular courses (for example, Medicine at Edinburgh) will not make offers which include both Mathematics and Further Mathematics. We would expect students doing this combination to achieve an average GCSE score of 45 points from their best six GCSE subjects to cope with the demands of the course and breadth of subjects.

# Application Process

## Internal Applications - for students in Year 11 at Queen Elizabeth's Grammar School

Applications to join the Sixth Form will be made using **Admissions +**, an online system which simplifies the process of choosing courses. All Year 11 students have received their login details for this system but if unsure, they should contact Mr Cowlam or Mrs Gossling.

## External Applications - for students NOT currently at Queen Elizabeth's Grammar School

Applications must be made via Kent Choices ([www.kentprospectus.co.uk](http://www.kentprospectus.co.uk)). All contact will be made via the message function on this website but some direct emails may also be sent. In the event that you accept a place at our school we will provide you with a link to Admissions+ where you will be required to complete our enrolment form.

Advice to Students;

- You should carefully research the course details, either online or in the course booklet before making your subject choices
- You should consider your academic suitability for and interest in subjects before making a final decision
- You should consider how subject combinations may impact on choices for Higher Education and future career decisions – additional guidance is available from the Sixth Form Office
- You must enter your choices in order of preference and **must** choose a full academic reserve subject as well as a compulsory enhancement course.

The Sixth Form team is always available to answer any queries or give additional advice and guidance regarding Sixth Form entry. Please don't hesitate to get in contact.

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# Art and Design

## A Level

### AQA Level 3 Advanced GCE in Art and Design

#### **Skills that will be developed**

The Subject Criteria for Art require that not only practical artistic skills and abilities should be developed in any course of study, but also that the study of art and design and its various contexts should form part of any student's education. Therefore, in addition to making artefacts, students should be encouraged to reflect on their own work and on the work of others.

#### **What will you learn?**

The GCE in Art and Design has been designed to encourage an adventurous and enquiring approach to art and design. Successful students should be able to demonstrate an understanding of past and contemporary art and design practice and be able to produce artwork that embraces a range of ideas.

The New Advanced GCE award consists of two units. Unit 1 encompasses an extended personal investigation and Unit 2 consists of an externally set exam unit.

#### **Enrichment**

Extra-curricular activities such as Public Exhibitions, Life drawing, visits to Galleries and Museums and meeting practising artists.

#### **Entry Requirements**

You must achieve a grade 6 or better in Art GCSE

#### **What happens when you have finished?**

The course will encourage you to explore your creative mind and help you develop the basic skills, understanding and knowledge that many employers across lots of industries are looking for.

The most established route is to take an Art and Design Foundation Diploma. This is a one-year pre-degree course which prepares you for progression to Higher Education courses in Art and Design. Art and Design is a neat and compact title, though grossly inadequate for the sprawling range of jobs and careers that it encompasses. The application of this subject is limitless from painting to conceptual art, to produce design, from stained glass or sculpture to computer animation.



# Biology

## A Level

### EDEXCEL Level 3 Advanced GCE in Biology

#### Skills that will be developed

- Analytical thinking
- Problem-solving
- Practical skills
- Application of knowledge to unknown situations
- Communication and presentation skills
- Research skills

#### What will you learn?

The GCE course in Biology covers topics such as: risk factors for, and causes of, heart disease; genetic diseases; development of an organism; cell division and cancer; biodiversity; and natural products. Topics such as energy transfers through ecosystems; humans and the environment; immunity; maintenance of the body; and sensitivity are key topics in the second year of study. The Edexcel Biology course can be taught in either a concept-led or a context-led manner.

#### Entry Requirements

You must achieve a grade 6 or better in Biology GCSE Science and Additional Science. (A grade 7 or better is recommended)

#### Enrichment

There has always been a healthy variety of extra-curricular activities in Biology including Bioquest (biology original research projects), Medsoc (advising those who wish to pursue a career in medical/healthcare/veterinary sciences), visiting speakers, visits and the Biology Olympiad. Our senior students also get involved with outreach to younger students and science based assemblies.

#### What happens when you have finished?

Biology is regarded as a facilitating subject. This means that it is a requirement of a number of degree courses. Opting to study Biology at Advanced Level is likely to help keep your options open for Higher Education such that biology is a complement to any other set of A-level subjects.

With further training, you could go into a job related to Biology or one of the other sciences such as a Doctor, Nurse, Scientist or Marine Biologist. The course will also help you to develop the basic skills, understanding and knowledge that many employers across lots of industries are looking for.

There is no limit to the type of degree courses available included with Biology A-level. Those that enjoy Biology itself may like to investigate courses such as Biology, Biomedical Sciences, Ecology, Biochemistry, Conservation, Medicine and many more. Biology is a relevant subject for many careers in healthcare (e.g. Doctor, nurse, physiotherapist), animal care (e.g. animal nurse, vet), conservation and research (e.g. medical research). However biology and the skills associated with the A-level are widely lauded across the full range of academic subjects no matter what discipline.

# Chemistry

## A Level

### EDEXCEL Level 3 Advanced GCE in Chemistry

#### Skills that will be developed

Chemistry should be a practical experience for students and as such the course contains practical activities embedded within each unit, to reflect the nature of chemistry. This will increase students' enjoyment and understanding of chemistry together with providing them with the skills needed to study science at higher levels.

Students will develop their **Quantitative** and **Qualitative** analytical skills, as well as **Evaluative, Communication, Problem Solving** and **Numerical** skills.

#### What will you learn?

The course will combine practical Chemistry with the underlying theory and the study of aspects of the subject that appear in the media and affect everyday life, developing an understanding of 'How Science Works'.

#### Enrichment

Chemistry Senior Students engage in a variety of extra-curricular activities including STEM Club, Science Support Club as well as running Chemistry competitions within the school. We have an active International nanotechnology research collaboration and provide other opportunities for independent research projects.

#### Entry Requirements

You must achieve a grade 6 or higher in Chemistry GCSE  
Science and Additional Science. (A grade 7 or better is recommended)

#### What happens when you have finished?

The course will also help you to develop the basic skills, understanding and knowledge that many employers across lots of industries are looking for including Chemical and Biochemical Sciences, Medicine, Veterinary Medicine, Engineering, Forensic Sciences, Physics, Accountancy, Pharmacy and Environmental Sciences.

#### Future Opportunities

You could take this course with other advanced level courses, which overlap with Chemistry such as Biology, Applied Science, Physics, Geography, Geology or more general subjects that may not relate to the sciences, to prepare for higher education. Whilst chemistry is essential for medicine and veterinary sciences, Chemistry will also help you to develop the basic skills, understanding and knowledge that many employers across a huge range of careers are looking for: From the arts to space science, from chemical engineering to global politics.

# Computer Science

## A Level

### AQA Level 3 Advanced GCE in Computing

#### **Skills that will be developed**

This course, with its emphasis on abstract thinking, general problem-solving, algorithmic and mathematical reasoning, scientific and engineering-based thinking, is a good foundation for understanding the future challenges that computer science can address. You will develop skills in logical, structured thinking, mathematics, efficiency and problem solving and your patience and persistence will be tested. This course is appropriate for anybody who enjoys finding the best solution to a problem.

#### **What will you learn?**

The course is not about learning to use tools or just training in a programming language. Instead the emphasis is on computational thinking. Computational thinking is a kind of reasoning used by both humans and machines. Thinking computationally is an important life skill. Computer Science is about designing new algorithms to solve new problems. Many great challenges lie in the future for Computer Scientists to solve. The specific programming language taught in the first year is yet to be confirmed. Programming club will allow you to try your hand at different programming languages. Support for lower school programming lessons will enable you to pass on your knowledge and improve your communication and explanation skills.

#### **Entry Requirements**

You must achieve a grade 6 or higher in GCSE Computer Science. In addition a grade 6 or higher at GCSE Mathematics is recommended. Students who have not programmed in Python before will need to complete some independent study tasks.

#### **What happens when you have finished?**

This course is designed for students who wish to go on to higher education courses or employment where knowledge of Computing would be beneficial – a topic high on the government agenda for education. One can study Computing and go on to a career in medicine, law, business, politics or any type of science.

# Design Technology (Product Design)

## A Level 3

### EDEXCEL Level 3 Advanced GCE in Product Design

#### Skills that will be developed

Design Technology is a practical and valuable subject. It enables young people to actively contribute to the creativity, culture, wealth and well-being of themselves, their community and their nation. It teaches how to take risks and so become more resourceful, innovative, enterprising and capable. Students develop a critical understanding of the impact of design and technology on daily life and the wider world. Additionally, it provides excellent opportunities for students to develop and apply value judgements of an aesthetic, economic, moral, social, and technical nature both in their own designing and when evaluating the work of others.

#### What will you learn?

During year 12 students will develop a range of skills in design and manufacturing alongside all relevant theory needed for the exam. Year 13 will consist of one independent design and make task (Component 2), where students will work with industry experts, and one exam which covers the principles of Design Technology.

#### Component 1 – Exam 2 ½ hour exam

120 marks (50% of qualification)

##### Topics

- Materials
- Performance characteristics of materials
- Processes and techniques
- Digital technologies
- Factors influencing the development of products
- Potential hazards and risk assessing
- Features of manufacturing industries
- Designing for maintenance and the cleaner environment
- Current legislations
- Information handling, modelling and forward planning
- Further processes and techniques

#### Component 2 - Coursework (50% of qualification)

- Independent design and make task

#### Enrichment

Trips (where possible) to the Design Museum, New Designers Exhibition, lectures, local industry as well as an annual residential trip to Amsterdam in year 12. Students are encouraged to study the subject outside the classroom environment following the world of design through social media, design publications and news. The department encourages students to enter competitions at local, regional, national and international level with great success, boosting the students' personal statements and real world experience.

#### Entry Requirements

You must achieve a grade 6 or better in Design Technology GCSE. If Technology was not studied at GCSE, you must have at least a grade 6 in a similar creative subject.

#### What happens when you have finished?

A high percentage of our Product Design students continue into a career in design and engineering. There are over 600 degree and other FE courses available. Careers include: product design, industrial design, architecture, graphic design, media design, multimedia design, CAD/CAM engineers, transport design, animation, and many others – it's an exciting, fast moving and growing industry.

# Economics

## A Level

### AQA Level 3 Advanced GCE in Economics

#### Skills that will be developed

The ability to analyse economic data, to interpret graphs and tables, identify trends and explain these using economic theory. The ability to see how one policy may affect other parts e.g. low inflation on employment. Economics is a strong investigative tool and will provide students with a strong foundation in critical thinking that employers will reward.

#### What will you learn?

Economics teaches students to think logically and to use theories to understand how economies operate. At the centre of the subject is the question of how we divide up our scarce resources and how decisions resulting from this affect us all - in other words, who gets what and why? This means studying the private sector and effects of competition and comparing this with the public sector provision. The macroeconomic part of the course is what most people associate with economics. This includes economic growth, inflation, unemployment and international trade, and the difficulties that UK Governments face when they attempt to steer the economy in their chosen direction. Economics is also about so much more than just the economy. Economists now study all areas of life including defence, child poverty, climate change, sport, tourism, happiness and wellbeing. It therefore studies all of society and the activities of various groups and institutions within it.

Economics A level from 2015 consists of three papers, Paper 1 (Markets and market failure) Paper 2 (The National and international economy) Paper 3 (Economic principles and issues).

Typical questions asked: Should students pay for their University Education? Is the Credit Crunch a rerun of the Great Depression of 1929? What will the consequences of BREXIT be for UK Economic Performance?

#### Entry Requirements

You must achieve a Grade 6 or higher in Maths and a Grade 6 in English Language. If you have studied GCSE Economics you must achieve a Grade 6 or above.

#### What happens when you have finished?

What other learning could you do: Economics will combine well with most other A level subjects including other social sciences, humanities and maths. Economics will provide a firm foundation for the study of many courses at degree level, including finance and accountancy, management and business courses. It is highly recommended that Economics is combined with AS or A2 Mathematics to ensure full availability of Economics courses at degree level.

#### Future opportunities

Economics gives opportunities for careers in both the public and the private sector, in the UK and abroad. Jobs include working in the civil service, local government, banking, accountancy and management. Economists are also found in many other areas including manufacturing, systems analysis and computer science.

# English Language

## A Level

### AQA Level 3 Advanced GCE in English Language

#### **Skills that will be developed**

The A level course enables you to develop and apply your understanding of the concepts and methods appropriate for the analysis and study of spoken and written language. It will also develop your skills as writers by focusing just as much on the process of writing (e.g. drafting, redrafting, editing) as well as the finished product.

#### **What will you learn?**

##### *Unit 1: Language, the Individual and Society*

This unit covers the basic introductory aspects of language, using a variety of spoken and written texts for study. This study will cover textual variations and representations, children's language development (0-11 years). Methods of language analysis are integrated into the activities. You will analyse texts on a number of levels such as purpose, audience, genre, grammar, lexis, phonology, semantics and pragmatics.

##### *Unit 2: Language Diversity and Change*

This unit covers the topics: Language diversity and change, Language discourses and writing skills. In this unit you are encouraged to develop your own analysis and writing skills, studying and producing writing in different genres for different audiences and purposes. For example, you may study fiction, soap opera or film scripts, information leaflets, magazine articles, texts for young children or persuasive speeches. You will evaluate such texts and write your own.

##### *Unit 3: Language in Action (Coursework (20% of A level))*

In this unit you investigate an area of language of your choice. Studies may include the language of Rap, chat shows, the Bible, graffiti, the impact of text messaging, reality television and the development of writing skills in children. Students also produce some original writing of their own.

#### **Entry Requirements**

You must achieve a Level 6 or higher at GCSE in English Language

#### **What happens when you have finished?**

As well as excellent preparation for a degree in English Language or Linguistics, former English Language students have gone on to study a wide range of subjects at degree level, including Politics and Government, Sports journalism, History, Archaeology and Media/Film studies.

#### **Future opportunities**

English Language students also have access to a wide range of career opportunities, but the subject would be particularly useful for careers in law, teaching, journalism, speech therapy, local government, advertising, publishing and retail management.

# English Literature

## A Level

### Edexcel Level 3 Advanced GCE in English Literature

#### Skills that will be developed

The A level course enables students to develop and apply their understanding of the concepts and methods appropriate for the analysis and study of English Literature. It will also develop their ability to apply different critical theories to literature.

#### What will you learn?

##### *Unit 1: Drama*

This unit involves close analysis of the tragedy. Students will study a Shakespeare play, another modern dramatic text, and some critical essays.

##### *Unit 2: Prose*

In this unit, students will study and compare two texts linked by theme. Chosen texts will be from pre and post 1900 and will centre around the concept of the supernatural.

##### *Unit 3: Poetry*

Students will study a wide range of modern poetry from the published anthology, centred around named poets and/or literary traditions. Students will also study Chaucer's *The Wife of Bath* to allow students to develop their understanding of the power of poetry.

##### *Unit 4: (Coursework (20% of A level))*

Students will study two texts of their choice, develop their understanding and interest with critics, and write one critical essay on an agreed question set by them. All units will enable students to explore a wide range of texts and genres.

#### Entry Requirements

You must achieve a Level 6 or higher at GCSE in English Literature

#### What happens when you have finished?

The course will also help you develop the skills, understanding and knowledge that many employers across lots of industries are looking for. As well as being obviously excellent preparation for a degree in English Literature, former English Literature students have gone on to study a wide range of subjects at degree level, including Politics and Government, History, Archaeology and Media/Film studies. English Literature students have access to any career opportunities, but the subject would be particularly useful for careers in law, teaching, publishing, journalism, local government and the media. Most rewarding, is an appreciation of literature and the opportunity to develop a life-long love of reading widely with a critical eye.

# Environmental Science

## A Level

### AQA Level 3 Advanced GCE in Environmental Science

#### Skills that will be developed

- Practical skills in planning and implementing investigations; laboratory and field.
- A balanced and informed understanding of how human society manages natural systems.
- The ability to interrogate information and analyse quantitative data.

#### What will you learn?

1. The living environment, biological resources and sustainability (50%).
  - Threats to biodiversity and wildlife conservation efforts from Antarctica to the tropics.
  - The challenges and solutions in providing food and forest resources to a growing population without damaging the planet's life support systems.
2. The physical environment, energy resources and pollution (50%)
  - Exploitation and management of minerals, soil, water and energy resources.
  - Properties of pollutants and strategies to minimise problems.

Environmental issues are explored, with the emphasis on how to find solutions through sustainable management and the use of new technology. The applied nature of the subject means that there are many opportunities to relate topics to everyday issues and current affairs in the UK and globally.

Students gain first hand experience of a variety of sampling techniques in a range of habitats. There are two final written exams, 15% of which is an assessment of practical skills. All students must complete a minimum of four days of fieldwork.

#### Enrichment

There will be opportunities for field trips, meeting visiting speakers and involvement with local community initiatives. Students are encouraged to join EcoQuEST and or QE's Green Group to research and develop projects beyond the syllabus.

#### Entry Requirements

You must achieve a grade 6 or better in two science subjects or Combined Science. A grade 6 or better in Maths is highly recommended.

#### What happens when you have finished?

The environment is being increasingly prioritised in policy and practice around the globe and is a growing concern among young people. As such Environmental Science can complement any combination of A level subjects. At A level, it is accepted as relevant science in environment related degrees including oceanography, geology, marine zoology and many more. It is also a named second or third subject for degrees from medicine to psychology, engineering and sustainable architecture.



# Extended Project

## OCR Level 3 Project Qualification

**\*This is an enhancement course**

### **Skills that will be developed**

To devise, design, plan and manage a project selected from a choice of dissertation, design, artefact, performance or investigation and work independently. To critically select research and organise a range of resources and sources relevant to the chosen outcome and be able to use, reference and reflect upon these resources/sources. To develop and realise the chosen project outcome and project management evaluation report through logical, planned stages until their fruition, being able to meet own identified goals and deadlines and reflect upon progress. To evaluate, review and reflect upon all aspects of the project and own learning and performance. To communicate the outcome to a specified audience, reflecting on the process of doing the project and evaluating the audience feedback of their own performance.

### **What will you learn?**

The EPQ is based on independent, university-style learning and gaining sophisticated organised time and project management skills. The EPQ can help you to gain confidence in your own abilities and develop the self-awareness to know your limitations and strengths which are vital to career success. The EPQ will help you to develop your capabilities in terms of problem solving, critical analysis, decision-making, team working and communications, as well as gaining high standards of Maths and English – all of which are highly prized by employers.

### **Enrichment**

Doing an Extended Project is great for building confidence and broadening horizons because you are free to be independent, creative, practical and academic. The self-fulfilment benefits are highly rewarding. You can be led by your curiosity and you can pursue and plan an idea to see how it evolves and takes shape over time. You demonstrate to yourself, your family, your teachers, universities and future employers what you can achieve on your own, showing that you have enterprise, initiative, self-motivation and impressive, competent presentation skills.

### **Entry Requirements**

You must achieve at least 33 points from your best six GCSE, achieving a grade 6 in English. Being well motivated, independent and very organised to complete a demanding and challenging project in a six-month time constraint. It is a big commitment.

### **What happens when you have finished?**

Universities really value the Extended Project Qualification (EPQ), as it helps them to select students with a genuine commitment to their chosen subject and a head-start in the independent learning skills that Higher Education demands. These skills are transferable, not just for undergraduate and postgraduate university experience, but to the workplace, career and beyond. The EPQ formally begins in January of Year 12, allowing relevant study skills to be taught in Terms 1 and 2, and time to select and develop a topic. The EPQ is completed by November of Year 13, which then frees-up time to devote to other "A" level subjects.

# Film Studies

## A Level

### EDUQAS Level 3 Advanced GCE in Film Studies

#### What will you learn?

A-level Film Studies engages students in the in-depth study of a range of different genres, movements and time periods:

- Hollywood 1930 - 1990
- American Film Since 2005
- British Film Since 1995
- Global Film - a study of films not in the English language
- Documentary Film
- Silent Cinema pre 1930
- Experimental Film 1960-2000
- Students are also required to individually produce a short film (of between 4 and 5 minutes duration) and write an evaluation of their film (of between 1600 and 1800 words).

Film is one of the main cultural innovations of the 20th Century and a major art form of the last one hundred years. Film Studies offers the opportunity to investigate how film works as both a medium of representation which reflects our culture and society and as an aesthetic medium.

The course has elements that focus on both analytical and creative skills. As such, students will be expected to develop their ability to study independently, whilst honing their research skills and essay writing in preparation for the final exam, as well as showing an ability to create film products.

#### Enrichment

Develop film production skills in different genres.

#### Entry Requirements

You must achieve a grade 6 or higher at GCSE in this subject. If the subject is not offered at GCSE, then a grade 6 in GCSE English or a subject with similar emphasis is required.

#### What happens when you have finished?

You could take this course with other advanced level courses such as English, to prepare for Higher Education in Film-related courses, related courses in the Arts or Humanities, or more general Higher Education courses. With further training, you could go into a job related to film and media such as a Journalist, News Reporter, TV Producer and Public Relations Officer. The course also helps you develop the skills, understanding and knowledge that employers across lots of industries desire.

# French A Level

## AQA Level 3 Advanced GCE in French

### Skills that will be developed

You will build on all the skills acquired at GCSE. By the end of the A level course you will have developed all four language skills; reading, speaking, listening and writing, which will enable you to study French at degree level in the UK or abroad.

### What will you learn?

- **Aspects of French-speaking Society**  
(the changing nature of family, cyber society, the place of voluntary work)
- **Artistic culture in the French-speaking world**  
(cultural heritage; contemporary music; cinema)
- **Current issues in French-speaking society**  
(positive features of a diverse society; life for the marginalised; how criminals are treated)
- **Aspects of political life in the French-speaking world**  
(the right to vote and political commitment; demonstrations and strikes; politics and immigration)
- **One novel** (Delphine de Vigan's *No et moi*)
- **One film** (*Un long dimanche de fiançailles*)
- **Individual research project**

### Enrichment

Participation in Senior French exchange. An opportunity to be a Senior Student with leadership responsibilities.

### Exam

This qualification is linear. All exams are taken at the end of the course with no access to a dictionary during the assessments.

### Paper 1: Listening, Reading and Writing: 2 hours 30 minutes. 100 marks. 50% of A-level

- All questions are in French, to be answered with non-verbal responses or in French (30 marks listening. 50 marks reading)
- Translation into English; a passage of minimum 100 words (10 marks). Translation into French; a passage of minimum 100 words (10 marks).

### Paper 2: Writing exam: 2 hours. 90 marks. 20% of A-level

- 2 x 300 word essay on one text and one film.

### Paper 3: Speaking. Oral exam: 16-18 minutes. 60 marks. 30% of A-level

- Discussion of a sub-theme with the discussion based on a stimulus card (5–6 minutes). The student studies the card for 5 minutes at the start of the test (25 marks).
- Individual research project: Presentation (2 minutes) and discussion (9–10 minutes) of individual research project (35 marks)

# French

## A Level Continued

### **Entry requirements**

You must achieve a grade 6 or higher in GCSE French.

### **What happens when you have finished?**

This course will enable you to continue French into Higher Education and pursue a course at a French university and/or work in France or another French-speaking country. French at A level is a highly regarded academic subject by universities, even if you choose a course which does not involve French.

Over the duration of the course you will develop the skills, understanding and knowledge that many employers across lots of different industries are looking for, especially in the travel and tourism sector, journalism, international politics, NGOs and in multinational companies.

Students go on to a wide range of degree courses ranging from French, European Studies, new languages such as Italian, Japanese, Russian or Chinese, to courses including a language element such as Law with French, or Physics with a study year in France or a French-speaking country.

### **Future opportunities**

Opportunities are varied, ranging from teaching, translating, European affairs, journalism to work in TV/radio. You could work in the foreign office or international companies. Increasingly a modern foreign language at A level is seen as useful and in high demand by employers as globalisation increases.

# Geography

## A Level

### EDEXCEL Level 3 Advanced GCE in Geography

#### Skills that will be developed

- Relevant geographical knowledge
- Data handling and fieldwork techniques
- Literacy
- Personal skills
- A balanced and informed understanding of the changing world you live in

#### What will you learn?

Provisional outline of Edexcel geography A Level to be studied from September 2016

#### Paper 1 Physical Geography (30%)

*Includes the following topics*

- Tectonic Processes and Hazards
- Landscape Systems, Processes and Change
- The Water Cycle and Water Insecurity
- The Carbon Cycle and Energy Security
- Climate Change Futures

#### Paper 2 Human Geography (30%)

*Includes the following topics*

- Globalisation
- Shaping Places
- Superpowers
- Health, Human Rights and Intervention

#### Paper 3 A Synoptic Examination (20%)

Bring together a variety of the topics above with a focus on:

- Players
- Attitudes and actions
- Futures and uncertainties

#### Coursework: Independent Investigation (20%)

- The investigation report is internally assessed and externally moderated.
- The student will produce a written report of 3000–4000 words.

# Geography

## A Level Continued

### **Enrichment**

There will be fieldwork opportunities on this course. (This year we are planning to visit Barcelona) There is also an opportunity for individual study on a topic on which you have some choice.

### **Entry Requirements**

You must achieve a grade 6 or higher at GCSE in this subject. If the subject is not offered at GCSE then a grade 6 in a GCSE Humanities subject is required.

### **What happens when you have finished?**

What other learning could you do: You could take this course with other advanced level courses such as Travel and Tourism or Health and Social Care, to prepare for Higher Education in areas of geography, humanities, science or more general Higher Education courses.

The course also helps you to develop the basic skills, understanding and knowledge that many employers across lots of industries are looking for.

### **Future opportunities**

Degree courses include Human Geography (BA), Physical Geography (BSc), Geology, Environmental Science Leisure and Tourism. Careers for Geographers fall into a very wide range of areas including Environmental Services, the Scientific Civil Service, Cartography, Surveying and planning, Teaching and the tourist industry.

# German A Level

## AQA Level 3 Advanced GCE in German

### Skills that will be developed

You will build on the skills acquired at GCSE. By the end of the course you will have developed the reading, speaking, listening and writing skills which will enable you to study in a German speaking country. You will gain greater insight into German speaking culture and society. You will find it enhances your job prospects and facilitates foreign travel.

### What will you learn?

#### *Aspects of German-speaking society:*

- The changing state of the family
- The digital world
- Youth culture: fashion and trends, music, television

#### *Multiculturalism in German-speaking society:*

- Immigration
- Integration
- Racism

#### *Political and artistic culture:*

- Artistic culture in the German-speaking world
- Festivals and traditions
- Art and architecture
- Cultural life in Berlin, past and present

#### *Aspects of political life in the German-speaking world:*

- German and the European Union
- Politics and youth
- German reunification and its consequences
- Grammar

Set text - "Der Besuch der alten Dame" by Friedrich Dürrenmatt.

Film - "Lola rennt"

### Enrichment

- Trip to Berlin.
- An opportunity to be a Senior Student with leadership responsibilities.
- Competitions, webinars, translation exchange

# German

## A Level Continued

### Exam

This qualification is linear. All exams are taken at the end of the course with no access to a dictionary during the assessments.

**Paper 1:** Listening, Reading and Writing: 2 hours 30 minutes. 100 marks. 50% of A-level

- Aspects of German-speaking society
- Artistic culture in the German-speaking world
- Multiculturalism in German-speaking society
- Aspects of political life in German-speaking society

All questions are in German, to be answered with non-verbal responses or in German (30 marks listening. 70 marks reading)

Translation into English; a passage of minimum 100 words (10 marks). Translation into German; a passage of minimum 100 words (10 marks).

**Paper 2:** Writing exam: 2 hours. 80 marks. 20% of A-level

2 x 300 word essay. One text and one film from the set list.

**Paper 3:** Speaking. Oral exam: 16-18 minutes. 60 marks. 30% of A-level

- Individual research project: Presentation (2 minutes) and discussion (9–10 minutes) of individual research project (35 marks)
- Discussion of a sub-theme with the discussion based on a stimulus card (5–6 minutes). The student studies the card for 5 minutes at the start of the test (25 marks).

### Entry Requirements

You must achieve a grade 6 or higher at GCSE in this subject.

### What happens when you have finished?

German is widely acknowledged by universities as a highly academic course, particularly by the Russell group of universities and will therefore stand you in good stead if you decide to apply to a university in this group. You can decide to continue studying German at degree level or combine the language with your choice of hundreds of degree courses from a range of disciplines. You may wish to study German with a science, mathematics or engineering degree or in one of the humanities subjects. You may wish to study German with a foreign language which is new to you, such as Russian, Chinese or Arabic. During your degree, it will usually be possible for you to study at a German university or work in Germany as an assistant or within industry for six months to a year, which will greatly increase your fluency in the language.

### Future opportunities

Opportunities are varied, ranging from teaching, translating, European affairs, journalism to work in TV/radio. You could work in the foreign office or international companies. Increasingly a language at A level is seen as useful and in high demand by employers as globalisation increases.



# Government and Politics

## A Level

### EDEXCEL Level 3 Advanced GCE in Government and Politics

#### Skills that will be developed

You will develop an understanding of how our country works, how decisions are made and of the behaviour of people in relation to elections, ideas and power. You will begin to examine philosophical concepts such as rationalism and liberty, ideologies such as Liberalism, Conservatism and Socialism. You will develop skills of research, written analysis and debate.

#### What will you learn?

The Year 12 course introduces concepts of democracy and participation by looking at elections, political parties and pressure groups. It also examines the major institutions of the British Government and how they operate (unit 1). The course examines the nature of political ideologies and concepts such as freedom, authority and justice (unit 2). In the final unit, we study Global Politics. This introduces you to International Relations, topics such as War and Conflict, the role of the United Nations, NATO,, and other major international institutions such as the IMF, World Bank and G7/8 and G20. We will examine power politics at the international level, and also issue such as Human Rights and the Environment.

*Unit 1 British Politics*

*Unit 2- Political Ideologies*

*Unit 3- Global Politics*

#### Enrichment

You will have opportunities to look at current affairs through television, newspapers and the internet. You will have a chance to learn through discussion, debate and research. You will gain a perspective on how our society works with an understanding of the nature of power. You will have opportunities to question fundamentals of society, develop your own views and to justify them with hard evidence.

#### Entry Requirements

You must achieve a grade 6 or higher at GCSE in a humanities/social sciences subject and grade 6 in English Language.

#### What happens when you have finished?

Government and Politics could lead to a wide range of careers. You could go into a job related to Government and Politics such as working for the Civil Service within areas such as diplomacy, defence, justice, housing, tax, education and other areas of government. You could also become a member of parliament, or work for one as a political advisor. Careers in lobbying or pressure groups are also a good option. The course will also help you develop the skills, understanding and knowledge that many employers across lots of industries are looking for, especially in the government related sectors. This is a good A level to get you into the legal profession or into journalism.

Degrees are available in International Politics, Politics, PPE (Philosophy, Politics and Economics), HSPS (Human, Social & Political Sciences), Strategic Studies, War and Peace Studies and Government. Politics related degrees can lead to careers in business, politics, the law, teaching and journalism as well as a range of managerial and professional careers.

# History

## A Level

### AQA Advanced Level GCE in History

#### Why study History?

The GCE History course has been designed to help students understand the value and significance of world events in the past. In the process you'll gain a deeper understanding of social, cultural, religious and ethnic diversity. Knowing how people lived in the past helps to understand why people act like they do today.

Structure of the course; The AQA GCE (A-Level) History course comprises three components. Components 1 and 2 make up 80% of the overall course and are assessed by written examination. Component 3 makes up the final 20% of a student's overall mark and is a historical investigation (coursework) where students can choose from a range of questions that cover a period of at least 100 years.

#### What will you learn?

##### **Component 1 Historical Themes in Breadth** - The Tudors: England, 1485-1603

The course covers the reigns of Henry VII, Henry VIII, Edward VI, Mary I and Elizabeth I. It gives students the opportunity to study in breadth one of the most fascinating royal dynasties in English history. The course focuses on the character and aims of each monarch as well as the religious, political, social and economic changes which took place during their reigns. Furthermore, it looks at the structure of Tudor society, how it was governed, trade and exploration as well as cultural movements like Humanism and the Renaissance.

##### **Component 2 Historical Depth Study** - The Cold War c1945-1991

This option provides for the study in depth of the evolving course of international relations during an era of tension between communist and capitalist powers which threatened nuclear Armageddon. It explores concepts such as communism and anti-communism, aggression and détente and also encourages students to reflect on the power of modern military technology, what hastens confrontation and what forces promote peace in the modern world.

##### **Component 3 Historical Investigation (Coursework Essay)** - American Civil Rights 1863-1965

Students also have the chance to research and write an extended essay on the role of different individuals in the Civil Rights movement. Students will have Term 6 of Year 12 to investigate the topic and are directed to key books, debates and sources as well as having the opportunity to deduce key arguments for themselves. Writing is only undertaken after considerable reading and planning is completed.

#### Enrichment

A variety of experiences including individual research, whole class discussion, seminars and use of various multimedia resources. Opportunities exist to visit London for subject specific lectures, and Berlin to deepen the students' appreciation and understanding of the crucial Cold War events that occurred there.

#### Entry Requirements

You must achieve a grade 6 or higher at GCSE in History.

#### What happens when you finish?

Students could take this course with other advanced level courses or equivalent to prepare for Higher Education in History or related subjects such as English, American Studies, Politics, Archaeology or more general courses.

Students who specialise in History can go on to become historical researchers, work in heritage organisations or become teachers. But history also supports other career paths, like journalism, politics, law, social work and public services.

# Mathematics

## A Level

### EDEXCEL Advanced Level GCE in Mathematics

#### Skills that will be developed

ICT Skills, (e.g. Excel spreadsheet skills, Geogebra), independent learning skills, problem solving.

#### What will you learn?

Algebra and functions; Coordinate geometry in the  $(x,y)$  plane; Sequences and series; Differentiation; Integration; Trigonometry; Exponentials and logarithms; Differentiation; Integration; Vectors

A variety of statistical techniques and applications of mathematics to mechanics problems.

#### Enrichment

Students are offered the opportunity to attend Mathematics lectures and to attend master classes at the University of Kent as well as taking part in local and national competitions such as the Senior Maths Challenge

#### Entry Requirements

To gain entry to this course you will need to have taken the Higher Tier GCSE papers and achieve a **grade 7** or higher.

#### What happens when you have finished?

What other learning could you do: You could take this course with other advanced level courses to prepare for Higher Education in areas of Mathematics, related areas such as Engineering, Economics, Physics or more general Higher Education courses. With further training, you could go into a job related to Mathematics such as an Accountant, Economist, Operational Researcher, Engineer, Financial Adviser or Teacher. Other careers such as Computer game design, Biomedical careers and Logistics will also benefit from increased mathematical knowledge and the associated skills of logical problem solving. Students intending to study subjects such as Psychology with a high level of statistical analysis will also find a Maths A-level useful and well received by university admissions tutors. A good result in Mathematics at A level is very highly regarded in academic and professional circles and is often an entry requirement to many university courses.

#### Future opportunities

Mathematics A-level is recommended for students intending to study Economics, Accountancy and other financial degrees, Engineering, Physics and Computer Science. Students intending to study subjects such as Psychology with a high level of statistical analysis will also find a Maths A-level useful and well regarded by university admissions tutors.

# Mathematics (Further)

## A Level

### EDEXCEL Advanced Level GCE in Mathematics

#### What is Further Mathematics?

Universities say “Students who have taken Further Maths are much better prepared for university study of any degree programme which has a similar mathematical content, including mathematics, engineering and economics.”

#### Skills that will be developed

- ICT Skills
- Graphing calculator skills
- Excel spreadsheet skills
- Graphing software skills
- Independent learning skills
- Written and Verbal Presentation Skills

#### What will you learn?

Series; Complex Numbers; Numerical solutions of equations; Coordinate systems; Matrix algebra; Proof.

Additional applications of mathematics to mechanics, statistics.

#### Enrichment

Students are encouraged to participate in master classes and workshops as well as competitions. We recommend a range of wider reading and discussion of various topics beyond the exam board specification, often tailored to the individual interests of the students in the group.

#### Entry Requirements

To gain entry to this course you will need to have taken the Higher Tier GCSE papers and achieved a **grade 7** or higher.

#### What happens when you have finished?

Further Maths broadens and deepens the Maths covered in A Level Maths. It develops your mathematical ability and introduces you to new topics such as matrices and complex numbers, which are vital for maths rich degrees in areas such as the sciences, engineering, and statistics as well as computing.

#### Please note

If a student chooses to study Further Mathematics, then it should be combined with 3 other full A Levels. This is due to the fact that some universities for particular courses (for example, Medicine at Edinburgh) will not make offers which include both Mathematics and Further Mathematics. We would expect students doing this combination to achieve an average GCSE score of 45 points from their best 6 GCSE's in order to cope with the demands of the course and breadth of subjects.

# Mathematics in Context Level 3

## EDEXCEL Level 3 core mathematics

**\*This is an enhancement subject**

This course is designed for students who achieve a 9 to 4 in GCSE Mathematics, but who choose not to continue the subject to A level Mathematics (\*you cannot choose Mathematics in Context if also choosing Mathematics full A Level). It is an accredited course, equivalent in size to an AS qualification and is part of the UCAS tariff. Many A levels do not require students to study A level mathematics but nevertheless have some mathematical component to the course. This course is currently planned to be a two year course that you would study throughout your time in the sixth form but would not take the same number of periods as other A levels. This engaging and relevant qualification will improve your mathematical knowledge and show you how to apply it in real-world contexts.

### Skills that will be developed

- preparation for the mathematics requirements of a number of higher education courses
- developing students' understanding and their ability to apply mathematics in a range of contexts
- learners will be equipped to apply for employment or higher apprenticeships in a wide range of industry sectors, professional training or university.
- learners will consolidate mathematical techniques that can be directly applied to real-life contexts.
- learners will develop their understanding of mathematical techniques to support a range of A-level courses, such as Biology, Psychology and Geography.

### What will you learn?

- Use a range of mathematical methods and techniques, including using contemporary calculator technology and knowledge and use of a spreadsheet, to find solutions to problems.
- Use a variety of mathematical and statistical approaches to represent and analyse problems.
- Generate and apply mathematical solutions to non-routine questions and problems taking creative approaches where appropriate, and test and evaluate answers and conclusions.
- Topic areas will cover a wide range including Social Media, Society, Sport, Finance, creative arts, Health, Economy, Travel, Environment, Disasters, Engineering.

### Example: Society

This topic looks at society and social trends. Social trends explain the behaviour of people. They relate to social and cultural values and practices within a society and are relevant to all members of that society. Students need to be able to use and apply standard statistical techniques to compare and analyse data. They should be able to compare distributions through appropriate graphical representations as well as use, apply and interpret linear regression. Students should be able to understand and interpret risk. They should be able to use calculators and spreadsheets effectively to support their calculations. Examples of trends which are impacting on society at present include: the distribution of entrants to HE by previous educational institution; changes in type of house ownership, various measures of inequality and how they correlate, Data based on the recent history of the proportional take up of consumer durables can form the basis of student investigations.

### Entry Requirements

You must achieve grade 9-4 in GCSE Mathematics

# Music

## A Level

### AQA Level 3 Advanced GCE in Music

The Queen Elizabeth's Music department offers a full A Level in Music. We follow the AQA syllabus for A Level Music due to its holistic view of Music, studying musicians from Bach to Beyoncé and Monteverdi to Miles Davis. It allows students to study areas that they have a real interest in, as well as broadening their musical perspectives with genres they may be less familiar with.

The course is split into three core components:

**Appraising Music (40%)** - Pupils will build on their knowledge base from GCSE Music, and continue to develop their contextual understanding of Music, as well as developing analytical skills through both listening and formal analysis. There are seven areas of study. Area of Study 1 is compulsory, and all three sections of it are studied in detail. Two additional Areas of Study are then selected from AoS2-7 for teacher-led study, and another Area of Study is selected for student-led study:

- Western classical tradition 1650–1910 (compulsory)
- Baroque Solo Concerto
- Operas of Mozart
- Romantic Piano Music
- Pop music
- Music for media
- Music for theatre
- Jazz
- Contemporary traditional music
- Art music since 1910

**Performing Music (30%)** - Pupils will have plenty of opportunities to perform during the A Level course, both as a soloist and as a part of an ensemble. The course requires a minimum of 10 minutes total performance time to complete this section of the course. The 10 minutes can comprise of different pieces that total at least 10 minutes. This can be a combination of solo and ensemble performances, or a focus on solo or ensemble playing. Throughout this course, pupils are expected to contribute to either the school band or choir, to help develop their ensemble performance skills.

**Composing Music (30%)** - Throughout the course, pupils will develop compositional skills through a range of tasks, ranging from pastiche composing to arranging, learning through compositional tasks and assignments. The focus of A Level composition is learning how to develop musical ideas, including extending and manipulating musical ideas, and composing music that is musically convincing. This is assessed through two compositions - one in response to an externally set brief (Composition 1) and the other a pupil-chosen stimulus composition (Composition 2). The combined duration of the compositions must be a minimum of four and a half minutes.

For more information, feel free to download a copy of the AQA A Level Music specification:  
<http://filestore.aqa.org.uk/resources/music/specifications/AQA-7272-SP-2016.PDF>

#### Entry Requirements

You must achieve a Grade 6 or higher at GCSE Music, and play at least one instrument or sing at approximate Grade 5 standard or higher.

# Physical Education

## A Level

### AQA Level 3 Advanced GCE in Physical Education

#### Skills that will be developed

Students are required to: • develop theoretical knowledge and understanding of the factors that underpin physical activity and sport to improve performance • understand how the physiological and psychological state affects 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.

#### What will you learn?

*Paper 1:* Factors affecting participation • Applied anatomy and physiology • Skill acquisition • Sport and society  
Exam 2 hours. 35%

*Paper 2:* Factors affecting optimal performance • Exercise physiology and biomechanics • Sports psychology • Sport and society & technology in sport  
Exam 2 hours. 35%

*Non-Examined Assessment:* Practical performance • Skills performed as a player/performer or coach, as well as a written analysis of performance  
Internal assessment, external moderation. 30%

#### Entry Requirements

You must achieve a grade 6 or higher at GCSE in this subject. If the subject is not offered at GCSE, then a grade 6 in a GCSE Science subject is required. **It is also essential that you are actively engaged in a regular sporting activity - one which is 'allowed' by the exam board. Please see PE staff for a list of activities.**

#### What happens when you have finished?

What other learning could you do: You could take this course with other advanced level courses such as Science to prepare for Higher Education in areas of Sport Studies, Recreation, Exercise and Science or more general Higher Education courses.

#### Future opportunities

With further training you could go into a job related to Physical Education such as a Physiotherapist, Teacher, Exercise or Fitness Trainer.

The course will also help you develop the skills, understanding and knowledge that many employers across lots of industries are looking for, especially in the sporting sectors.

# Physics

## A Level

### EDEXCEL Level 3 Advanced GCE in Physics

The Physics course allows for study by concept-led and context-led approaches and we will be using a combination of both approaches in order to give students a good general foundation in the principles that form the basis of our understanding of the universe.

#### Skills that will be developed

- Numeracy, Communication, ICT, Improving own learning and performance, Problem solving, Working with others, Practical skills, Skills related to 'How Science works'

#### What will you learn?

##### *Unit 1:*

Working as a Physicist  
Mechanics  
Electric Circuits  
Further Mechanics  
Electric and Magnetic Fields  
Nuclear and Particle Physics

##### *Unit 2:*

Materials  
Waves and Particle Nature of Light  
Thermodynamics  
Space  
Nuclear Radiation  
Gravitational Fields  
Oscillations

There will be examinations on each of these units, as well as an overarching examination that brings all the topics covered together. Students will also be assessed separately for a 'Science Practical Endorsement'. The Endorsement will not contribute to the overall grade for this qualification, but the result will be recorded on the student's certificate.

#### Enrichment opportunities

As an A-level physicist you will be entered for the British physics Olympiad AS challenge in year 12 and the main competition in year 13. A chance to show off your problem solving skills and essential training ground for physical sciences at top universities. You would also be expected to work beyond the syllabus, in a research group as part of the Queen Elizabeth's Science and Technology Society, QuEST, or being involved with mentoring younger students during support or enrichment sessions. We have numerous trips and visiting speakers, including to CERN, and partnership projects with universities and industry.

**Entry Requirements:** You must achieve a grade 6 or better in Physics GCSE. You should also have achieved at least a grade 6 in Mathematics GCSE.

**What happens when you have finished?** Opting to study Physics at A level will enable you to study a wide variety of subjects in Higher Education - indeed graduates of physics and materials science are amongst the highest paid graduates (if that's what is important to you) given how many go into energy, engineering, consulting and financial services. Physics is hugely beneficial for a whole range of careers, from the arts to law, film, media and literature as well as music - and of course, science-based industries. The course will also help you develop the critical thinking skills, mathematical fluency, conceptual understanding and knowledge that many employers across lots of industries and sectors are looking for.



# Psychology

## A Level

### Edexcel Level 3 Advanced GCE in Psychology

#### Skills that will be developed

Psychology will enable you to develop the ability to analyse, interpret and evaluate research methodology, statistics and theories at a sophisticated, academic level.

Psychology will enable you to construct and evaluate informed verbal and written arguments in a critical, reflective manner. Psychology will enable you to develop highly effective and impressive essay skills for examination assessment. Psychology will enable you to develop sophisticated critical thinking skills with clear lines of cogent argument, and these skills are transferable to other disciplines.

#### What will you learn?

##### *Compulsory content*

- 1 Social Psychology - Obedience and Prejudice
- 2 Cognitive Psychology - Memory
- 3 Biological Psychology - Aggression
- 4 Learning Theories - Phobias
- 5 Clinical Psychology - Classification Systems, Schizophrenia and Unipolar Depression
- 6 Research Methods, Issues and Debates

*Option - as a year group, we will select 1 from:*

- Criminal Psychology
- Child Psychology
- Health Psychology

#### Enrichment

There will be opportunities to use your psychological insights in for instance, the Debating Society, and General Studies and Critical Thinking as Year 13 options. These will enable you to confidently and competently further develop and use your informed skills of argumentation and reasoning.

#### Entry Requirements

You must achieve at least a Grade 6 or higher in Maths and a grade 6 in English Language. A grade 6 in a science is also recommended with Biology being the most relevant supporting science.

#### What happens when you have finished?

Psychology is one of the most popular degree courses in this country and world-wide and almost every university offers a plethora of psychology degrees from which to choose. It can be studied on its own, combined or joint with other degree courses; or it can be studied as a specialism such as Social Psychology or Neuro-Psychology. It is a sound preparation for many university degree courses which require an ability to think and write coherent, informed arguments for essays, practical write-ups and dissertations. It can be combined with other social sciences (Sociology, Economics and/or Anthropology) or with the Humanities (Geography, History, Philosophy and/or Religion) or Natural Sciences (Chemistry, Physics and/or Biology). Psychology is also integrated within many other degrees such as medicine, law, politics, journalism, PPP and languages. Professional postgraduate degrees can be studied specialising for a career in such as: Occupational, Educational, Forensic, Clinical, Counselling, Sports and Child Psychology.

# Sociology

## A Level

### AQA Level 3 Advanced GCE in Sociology

#### Skills that will be developed

Sociology' is the 'science of society'. Sociology attempts to bring a systematic understanding to our knowledge of what goes on around us - locally, nationally and even internationally. Using a variety of models and theories and applying recognised research methods the Sociologist sets off to try and understand our human condition a little better. We spend most of our time studying what sociologists have found out and how their conclusions are debated, argued and disagreed with by other people who may have other ideas and see things quite differently.

#### What will you learn?

*Paper 1- The Sociology of Education with Theory & Methods*

*Paper 2- Topics in Sociology- Culture and Identity and Global Development*

*Paper 3- Crime & Deviance.*

#### Enrichment

There will be opportunities for you to use your sociological insights, for instance, in the Debating Society. These will enable you to confidently further develop and use your informed skills of argumentation and reasoning. You will be given the opportunity to plan and deliver sociological presentations to the younger pupils in the school. You will be expected to take part in the annual BSA (British Sociological Association) essay competition.

#### Entry Requirements

You must achieve a grade 6 or higher at GCSE in a humanities/social sciences subject and a grade 6 in English Language.

#### What happens when you have finished?

Sociology is a popular degree course on its own or combined or joint with other degree courses.

"A" level Sociology is a sound preparation for many other university degree courses which require an ability to think and write coherent, informed arguments for essays and dissertations. It can be combined with other social sciences (Psychology, Economics and/or Anthropology) or with the humanities (History, Geography, Philosophy and/or Religion) which provide you with a plethora of occupations linked to working with people, leadership and management. Employers look for social and interpersonal skills of communication, knowledge, articulation and empathy, especially in the health, welfare and social care sectors, as well as in human resources. Careers in business and management, social work, social services, human resource management, counselling, journalism, politics, PR work, probation service, community work, criminal justice system, local government, civil service, teaching, research are all possibilities if you achieve a qualification in this subject.

# Spanish A Level

## AQA Level 3 Advanced GCE in Spanish

### Skills that will be developed

You will build on the core language skills of reading, speaking, listening and writing acquired at GCSE. By the end of the A level course you will also have developed a wide range of valuable transferable skills, such as summarising, presenting and analysing information. Together with an enriched understanding of life in Spanish speaking countries, these skills will equip you to study Spanish at degree level in the UK or abroad and increase your employment potential.

### What will you learn?

Aspects of Hispanic Society (modern and traditional values; cyberspace; equal rights)

Artistic culture in the Hispanic world (modern day idols; Spanish regional identity; cultural and artistic heritage)

Multiculturalism in Hispanic society (immigration; racism; integration)

Aspects of political life in the Hispanic world (today's youth, tomorrow's citizens; monarchies, republics and dictatorships; popular movements)

Either two books or one book and a film from the set texts below  
Individual research project

#### Set books

García Márquez *Crónica de una muerte anunciada*

Esquivel *Como agua para chocolate*

Lorca *La Casa de Bernarda Alba*

Zafón *La sombra del viento*

Allende *La casa de los espíritus*

\*Sender *Réquiem por un campesino español*

Bécquer *Rimas y Leyendas*

Fernán-Gómez *Las bicicletas son para el verano*

Rivas *El lápiz del carpintero*

García Márquez *El coronel no tiene a quien le escribe*

#### Set films

*Volver*

\**El laberinto del fauno*

*Ocho apellidos vascos*

*María, llena eres de gracia*

*El bola*

*Las 13 rosas*

\*These are the texts students currently study

### Exam

This qualification is linear and all exams are taken at the end of the course. No access to dictionaries.

#### Paper 1:

Listening, Reading and Writing: 2 hours 30 minutes. 100 marks. 50% of A-level

- Aspects of Hispanic society
- Artistic culture in the Hispanic world
- Multiculturalism in Hispanic society
- Aspects of political life in Hispanic society

All questions are in Spanish, to be answered with non-verbal responses or in Spanish (30 marks listening. 70 marks reading)

Translation into English; a passage of minimum 100 words (10 marks).

Translation into Spanish; a passage of minimum 100 words (10 marks).

# Spanish

## A Level Continued

### Paper 2:

Writing exam: 2 hours. 80 marks. 20% of A-level

2 x 300 word essays based on one text and one film from the set list.

### Paper 3:

Speaking. Oral exam: 16-18 minutes. 60 marks. 30% of A-level

- Individual research project: Presentation (2 minutes) and discussion (9–10 minutes) of individual research project (35 marks)
- Discussion of a sub-theme with the discussion based on a stimulus card (5–6 minutes). The student studies the card for 5 minutes at the start of the test (25 marks).

### Enrichment

An opportunity to be a Senior Student with leadership responsibilities.

### Entry requirements

You must achieve a grade 6 or higher in GCSE Spanish.

### What happens when you have finished?

This course will enable you to continue Spanish into Higher Education and having an A Level is seen as a useful subject to have by universities due to the study skills required whether you continue with the language or not.

With additional training you could have a job related to Spanish or Languages such as a Teacher, Translator, or you could even study or work in Spain or a Spanish speaking country.

Over the duration of the course you will develop the skills, understanding and knowledge that many employers across lots of different industries are looking for, especially in the travel and tourism sector and in Multinational Companies.

Students go on to a wide range of degree courses ranging from Spanish, European Studies, new languages such as Italian, Russian or Chinese, to courses including a language element such as Law with Spanish, or Physics with a study year in Spain or a Spanish speaking country.

### Future opportunities

Opportunities are varied, ranging from teaching, translating, European affairs, journalism to work in TV/radio. You could work in the foreign office or international companies. Increasingly a language at A level is seen as useful and in high demand by employers as globalisation increases.

# Work Experience

Young people are able to undertake work experience as part of their work related learning entitlement throughout Key Stage 5. Work experience also makes an important contribution to a range of qualifications, particularly those associated with medicine. There are two days of compulsory work experience in February of year 12. However students may also undertake work experience as a formalised part of their timetable.

## The Benefits of Work Experience

- Work experience is primarily about developing skills, particularly employability skills.  
<https://www.kent.ac.uk/careers/sk/top-ten-skills.htm>
- Employers regularly comment that the more experience of the workplace students can undertake, the greater chance they have of achieving employment in their desired career.
- Gaining some work experience can help students make informed choices about their future career path.
- It's important to know and understand what the working environment is going to be like.
- Gaining work experience is a great opportunity to make contacts whether for future jobs or for future clients.
- Employers often comment that having an understanding and experience of business acumen and commercial awareness will put students head and shoulders above the competition. Work experience is one of the main ways this can be gained.

Students will be expected to work closely with the Sixth Form Team to source and organise good quality, relevant work experience which they can do around timetabled lessons.

# Queen Elizabeth's Grammar School 2021-2023

## YEAR 13 GCE RESULTS: THREE-YEAR FIGURES: A LEVELS

		A*	A	B	C	D	E	U	Total	A*/B %	U %	
<b>Art &amp; Design</b>	2021	4	5	2	1	0	1	0	13	85	0	<i>Grades assessed by centre owing to COVID-19 shut down</i>
	2022	7	2	2	6	1	0	0	18	61	0	
	2023	6	2	8	1	0	0	0	17	94	0	
<b>Biology</b>	2021	8	7	2	3	4	3	2	29	59	7	<i>Grades assessed by centre owing to COVID-19 shut down</i>
	2022	0	2	4	6	9	5	4	30	20	13	
	2023	3	9	10	5	3	1	1	32	69	3	
<b>Chemistry</b>	2021	3	2	2	5	0	3	2	17	41	12	<i>Grades assessed by centre owing to COVID-19 shut down</i>
	2022	0	3	3	7	2	6	1	22	27	5	
	2023	2	2	5	7	5	4	0	25	36	0	
<b>Computer Science</b>	2021	2	7	2	0	0	1	0	12	92	0	<i>Grades assessed by centre owing to COVID-19 shut down</i>
	2022	1	4	5	2	3	2	0	17	59	0	
	2023	1	2	4	2	2	1	0	12	58	0	
<b>D &amp; T Product Design</b>	2021	1	4	3	3	0	0	0	11	73	0	<i>Grades assessed by centre owing to COVID-19 shut down</i>
	2022	1	3	4	2	0	0	0	10	80	0	
	2023	1	3	6	0	1	1	0	12	83	0	
<b>Economics</b>	2021	6	7	3	4	0	0	0	20	80	0	<i>Grades assessed by centre owing to COVID-19 shut down</i>
	2022	1	5	7	4	2	1	0	20	65	0	
	2023	2	2	8	7	3	0	0	22	55	0	
<b>English Language</b>	2021	2	4	5	0	0	0	0	11	100	0	<i>Grades assessed by centre owing to COVID-19 shut down</i>
	2022	1	4	3	2	3	0	0	13	62	0	
	2023	1	0	1	7	3	0	0	12	17	0	
<b>English Literature</b>	2021	5	1	4	1	0	0	0	11	91	0	<i>Grades assessed by centre owing to COVID-19 shut down</i>
	2022	4	1	3	6	2	0	0	16	50	0	
	2023	4	5	8	4	3	0	0	24	71	0	
<b>French</b>	2020	1	1	4	1	0	0	0	7	86	0	<i>Grades assessed by centre owing to COVID-19 shut down</i>
	2021	1	2	1	1	0	0	0	5	80	0	
	2023	1	1	2	2	0	0	0	6	67	0	
<b>Geography</b>	2021	4	5	5	2	2	0	0	18	78	0	<i>Grades assessed by centre owing to COVID-19 shut down</i>
	2022	3	7	6	7	0	1	0	24	67	0	
	2023	2	3	2	5	2	0	0	14	50	0	

<b>German</b>	<b>2021</b>	3	1	0	0	1	2	0	7		57	0	<i>Grades assessed by centre owing to COVID-19 shut down</i>
	<b>2022</b>	0	3	2	2	1	0	0	8		63	0	
	<b>2023</b>												
<b>Government &amp; Politics</b>	<b>2021</b>	6	4	6	3	1	0	0	20		80	0	<i>Grades assessed by centre owing to COVID-19 shut down</i>
	<b>2022</b>	2	5	3	5	1	0	0	16		63	0	
	<b>2023</b>	1	8	1	2	2	0	0	14		71	0	
<b>History</b>	<b>2021</b>	2	5	5	3	2	0	0	17		71	0	<i>Grades assessed by centre owing to COVID-19 shut down</i>
	<b>2022</b>	3	4	11	6	5	0	0	29		62	0	
	<b>2023</b>	1	4	12	2	3	0	0	22		77	0	
<b>Mathematics</b>	<b>2021</b>	13	7	6	4	6	0	0	36		72	0	<i>Grades assessed by centre owing to COVID-19 shut down</i>
	<b>2022</b>	1	13	10	5	3	6	0	38		63	0	
	<b>2023</b>	6	12	10	12	2	2	0	44		64	0	
<b>Mathematics - Further</b>	<b>2021</b>	4	1	2	0	1	0	0	8		88	0	<i>Grades assessed by centre owing to COVID-19 shut down</i>
	<b>2022</b>	1	1	2	1	1	0	0	6		67	0	
	<b>2023</b>	0	2	2	1	0	1	0	6		67	0	
<b>Film Studies</b>	<b>2021</b>	2	2	5	3	0	0	0	12		75	0	<i>Grades assessed by centre owing to COVID-19 shut down</i>
	<b>2022</b>	0	5	5	1	1	1	0	13		77	0	
	<b>2023</b>	3	4	7	3	0	0	0	17		82	0	
<b>Physics</b>	<b>2021</b>	5	3	7	3	4	1	0	23		65	0	<i>Grades assessed by centre owing to COVID-19 shut down</i>
	<b>2022</b>	1	4	8	4	2	2	0	21		62	0	
	<b>2023</b>	1	3	7	8	4	2	2	27		41	7	
<b>Psychology</b>	<b>2021</b>	3	5	9	5	2	1	0	25		68	0	<i>Grades assessed by centre owing to COVID-19 shut down</i>
	<b>2022</b>	3	7	3	11	3	0	1	28		46	4	
	<b>2023</b>	0	1	8	8	6	0	0	23		39	0	
<b>Sociology</b>	<b>2021</b>	5	2	4	3	2	0	0	16		69	0	<i>Grades assessed by centre owing to COVID-19 shut down</i>
	<b>2022</b>	6	3	11	6	0	0	0	26		77	0	
	<b>2023</b>	0	5	11	2	3	0	0	21		76	0	
<b>Spanish</b>	<b>2021</b>	1	2	6	0	1	0	0	10		90	0	<i>Grades assessed by centre owing to COVID-19 shut down</i>
	<b>2022</b>	0	3	2	2	2	1	0	10		50	0	
	<b>2023</b>	2	0	5	1	1	0	0	9		78	0	
<b>Sport/PE Studies</b>	<b>2021</b>	2	4	3	3	0	0	0	12		75	0	<i>Grades assessed by centre owing to COVID-19 shut down</i>
	<b>2022</b>	1	4	3	4	3	1	0	16		50	0	
	<b>2023</b>	0	0	2	4	4	1	0	11		18	0	