

GUIDED PATHWAY

YEAR 10 - 11
2020/21

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Core Subjects - Maths

Maths is a gateway into all sorts of exciting future careers - Computer Games Designer, Formula 1 Engineer, Aerodynamicist, Engineer, Music Producer, Air-Traffic Controller, Banker, Defence Analyst, Designer, Statistician, Investment Analyst, Economist, Tax Advisor, Accountant, Actuary, Auditor, Modelling Analyst, Stockbroker, Architect and Systems Analyst.

Maths is a linear GCSE (9 - 1) course, students will complete this course at the end of year 11 .

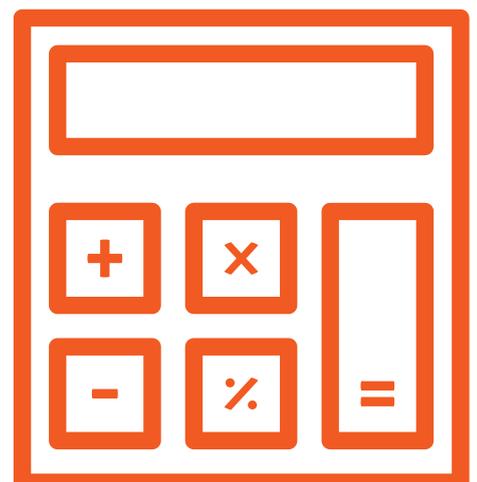
There are 6 main areas of study - Number, Ratio, Algebra, Geometry & Measures, Probability and Statistics. These areas of study are assessed through exams at the end of the course.

The qualification consists of three equally weighed written examination papers.

- paper 1 is non-calculator
- papers 2 and 3 are calculator papers
- each paper is 1 hour and 30 minutes
- the content will be assessed across all three papers.

This qualification will be graded and certificated on a nine-grade scale from 9 to 1 using the total mark across all three papers where 9 is the highest grade.

We know that to give students the best chances of gaining employment or entry to higher education they must achieve the highest grade possible in Maths.



Core Subjects - English

GCSE English is vital for a whole range of employment options, college and university courses. For most jobs, employers will look for good communication skills, both written and spoken, and the ability to read with insight and understanding. Jobs using English specifically can include work in media, journalism, advertising, public relations, management and teaching.

Students study both English Language and English Literature and are expected to complete the course at the end of year 11.

In **English Language**, students will study fiction texts (such as extracts from novels) and non-fiction texts (such as leaflets and articles), developing their reading skills and their ability to locate information, infer, summarise, use evidence and comment on the writer's techniques. They will also develop their writing skills, writing short stories and a range of transactional texts for magazines and other media.

In **English Literature**, there will be opportunities to study a range of texts including plays, novels and poems. Some texts are modern and others are from our literary heritage.

Assessment will take the form of examinations at the end of the course.

Option English

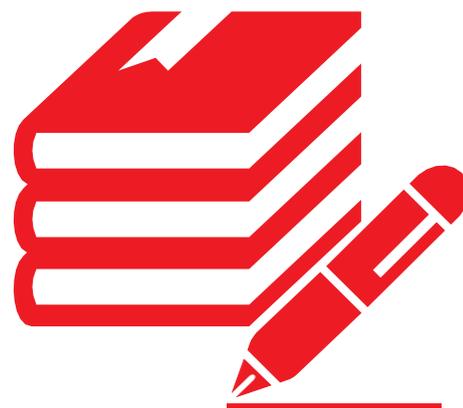
In order to access a range of opportunities in further and higher education and in the world of employment, GCSE English is crucial. Course providers and employers will be looking for a variety of communication skills in applicants and success in GCSE English is accepted to be evidence of such abilities.

We recognise that there are some students who may require additional support in English as they embark on their GCSE courses. Students who are at risk of not achieving their target grades may be selected for Option English and they will spend part or all of an option block, depending upon need, developing and refining their skills in this subject. Option English classes are carefully tailored to the needs of groups and individuals and students will be monitored to assess their progress.

Option English runs on an invitation only basis in that learners are carefully selected based on their progress in the previous year. Where students are selected for Option English, it is a compulsory course; we know that students who are underperforming have greater success at GCSE English when they are part of an Option English class.

Furthermore, they will sit two GCSEs in this subject - English Language and English Literature - so it is important that we offer additional support to those who may require it.

GCSE English is a very important qualification and a good GCSE grade. Together with a similar grade in Maths, it is the gateway to many careers and courses of higher education. For some University courses, places are based on GCSE grades as well as A-levels.



Core Subjects - Science

All students will follow GCSE Science over three years. Most students will achieve two GCSEs in combined science and some students will achieve three GCSEs (Triple Science).

Year 11 students may be timetabled for an extra 3 hours of science to boost their grades in biology, chemistry and physics if they are on the triple pathway. Some students are selected for this option because they require extra support to achieve their target grade on the triple science GCSEs based on their year 9 and 10 assessments. Other students may opt for this extra time if they have a 3 hour option spare and decide they would rather use this to consolidate GCSE science grades instead of taking on an additional subject.

Students go on to study A Levels in Physics, Biology and Chemistry. These advanced subjects can then lead to University Science study. Professions then include Medicine, Teaching, Veterinary Science, Pharmacology, Forensic Science, Cosmology, Space Science, Oceanography and Engineering.

Science GCSEs are very important qualifications and a good GCSE grade in one or more, demonstrates many transferable skills that are desirable by both Further Education providers and employers.



Core Subjects - Physical Education

Course Description

Students will have one core PE lesson in Year 11.

Core Physical Education has a high practical content that ensures that activity levels remain the premier focus of the course.

Students will be set based on practical ability however this is a continual process and we expect to see students moving between groups throughout the year.

Students will work on a variety of activities including:

- Outwitting opponents (activities such as netball, football, rounders & tennis)
- Accurate replication (activities such as gymnastics)
- Performing at maximum levels (activities such as athletics and fitness)
- Identifying and solving problems (activities such as orienteering).

It is hoped that the introduction to these concepts will supplement and inspire both development of lifelong participation and elite success.

In addition, Core PE will support those students who are studying an option within PE or intend to study PE in the future.

Assessment

Although there is no formal assessment as part of core Physical Education assessment still takes place and students will be given a grade out of 10 for each different activity that they will take part in for students and parents/carers to track progress.

Assessment takes a variety of forms, including:

- Peer assessment
- Self-assessment
- Teacher observations

General Comments

It gives you the opportunity to experience a range of different activities.

It can positively improve your health and fitness.

Core PE has the potential to develop both lifelong participation and elite performances.

Future Prospects/Career Options

This course is an appropriate gateway to both GCSE and BTEC Sport at Key Stage 5.

GCSE Computer Science

Course Description

Unit 1: Computer Systems

In this unit, students explore the fundamentals of computer systems including computer hardware and software. The unit also includes a significant amount of networking as well as ethical, legal, cultural and environmental concerns related to computer science.

Unit 2: Computational Thinking, Algorithms and Programming

In this unit, students will cover algorithms, programming techniques and writing in pseudo code. The unit also includes computational logic and how computers interpret, translate and represent data.

Unit 3: Programming Project

The set of tasks within unit 3 will provide opportunities for students to solve a problem using a programming language, this includes showing design, development, testing and evaluation. This is a mandatory unit and does not contribute to the overall GCSE grade directly, but provides essential skills for Unit 2 success.

Assessment

Unit 1

Examination - 50% - 1hr 30 mins

Unit 2

Examination - 50% - 1hr 30 mins

General Comments

This is a new course in line with government reforms to GCSEs.

This course is different from ICT. ICT focuses on technology from a 'user' point of view whereas computer science focuses on how technology works behind the scenes.

There is a significant amount of mathematics content and logic in this course and it is advised that students are confident in their ability in mathematics before considering this as an option.

Future Prospects/Career Options

This course will serve students well as an excellent introduction into AS/A2 ICT and AS/A2 Computer Science. On successful completion of this course, a solid foundation will have been built for students to continue into computers/engineering at university.

6 hour option

Student Comments

"The course is fun but very challenging, you have to be very independent when programming to find and correct errors all by yourself."

"There are a lot of interesting parts of the theory, however there is a lot of maths and different calculations to remember."

GCSE Art Photography

Course Description

What will I learn?

Art Photography is an experience based, highly personalised course. You will be given lots of opportunity to develop your own ideas and you will face many interesting, creative challenges. We aim for you to learn positively through enjoyment of the subject.

This is absolutely NOT a technical photography course. It is art with digital and lens based outcomes. You will be drawing and studying art history constantly as well as learning camera skills and digital manipulation skills. At all phases you will be:

- Working with photography and digital photography
- Researching and developing resources
- Exploring personal responses to your own set themes
- Exploring contextual work from contemporary and historical sources
- Presenting your work to a high standard, applying your visual communication skills
- Drawing widely, including your props, setups, scenarios and studio diagrams. Drawing is a major part of the course.

Art Photography is a 3 hour course for students who have passed art.

Assessment

This is a TWO unit course.

You will do a personal themed project, creating a coursework portfolio for Unit 1, followed by an externally set assignment, including a 10 hour independent work period, for Unit 2.

The assessment criteria are the same for each unit but the coursework portfolio counts for 60% of the final mark and the exam counts for 40%.

General Comments

Is GCSE Art Photography for me?

YES - if you love doing creative things, if you enjoy challenges and taking the initiative, if you love drawing, if you have a good level of ability or if you are thinking of a career in visual arts.

NO - if you get bored easily with art, if you struggle with art, if you don't enjoy a creative challenge, if you don't enjoy drawing or if your career ideas are in other areas.

Future Prospects/Career Options

The creative industries in the UK contribute £60 billion to the economy and employ 1.4 million people. People with creative skills are highly valued in a rapidly changing world of work. There are hundreds of specialisms but it is competitive and you do need to work hard.

3 hour option

Student Comments

"In photography we learn to fully explore our ideas. We don't accept the first outcome but push and develop our work to the highest standards. It's tough, but if you are ambitious and hard working you can achieve the highest quality photography work you can imagine."

BBO Dance

Course Description

British Ballet Organisation (BBO) offers a range of examinations and assessments which open doors for students of all ages and abilities, nationally and internationally.

The examinations in Contemporary dance are designed to maximise enjoyment, whilst building a technical foundation and encouraging expression and creativity.

Teachers can obtain details of the theory questions via the Members' Area of the website.

Technique and Performance consists of set exercises and dances, which are examined, and Training Exercises, which support learning but are not part of the examination content.

The Grade 3 Contemporary Dance syllabus should be approached as a complete course of study comprising three strands:

- Technique and Performance
- Creative
- Wider Learning

Technique and Performance

Comprises nine set exercises and two Set Dances (A and B). Only one Set Dance is required for examination purposes.

Creative

This includes improvisation and composition. This work will collectively allow students to explore topics and themes in the syllabus material and choreograph their own bow for the end of the examination.

In choreographing their own bow, students may use themes or characters from one of the Set Dances, selecting steps and movements that they have already created for the composition task.

Wider Learning

This strand is about gaining knowledge and understanding of Contemporary Dance and studying some of the best-known shows from the repertoire. Dance students should know about their art form and be familiar with the repertoire, just like students of music, art or drama. In addition, the study of repertoire is one of the best ways of encouraging performance style and quality. Students can be inspired by watching (and listening to) great performances by leading professionals.

Assessment:

Candidates are assessed via practical demonstration through the performance of syllabi settings. Alongside the performance aspect, candidates are asked to respond to two theory questions, which relate to the genre, vocabulary and/or wider learning detailed in the syllabi. Students should respond verbally or physically, as the questions dictates.

Entry Requirements, Advice and Guidance

Students need to have studied dance in Y9/10 or study dance to a suitable standard outside of school.

Future Prospects/Career Options

BBO Dance will set students up to continue with A Levels or BTEC courses at Key Stage 5. Many students will go on to study dance further at University or Dance Conservatoires to Degree level and beyond. Courses are available at Masters and PhD level.

Career opportunities can include performer, choreographer, teacher, director, dance critic, dance movement therapy.

NB – This course is non-contributing and does not count towards a student's attainment 8 score.

3 Hour Option

Level 1/2 Cambridge National Certificate in Sport Science

Course Description

The course comprises of a mixture of theory and practical lessons however there is no formal assessment of your practical ability. The final grade is achieved from one exam and three coursework units.

- Reducing risk of sports injuries - written paper 1 hour.
- Applying principles of training – coursework.
- The body's response to physical activity - coursework.
- Sports nutrition - coursework.

Reducing risk of sports injuries:

Taking part in sport and physical activity puts the body under stress. This unit will develop your understanding of how to reduce the risk of injury when taking part in sport, and how to respond to injuries and medical conditions in a sport setting. These are vital skills in many roles within the sport and leisure industry, whether you are a lifeguard, a steward at a sports stadium or a personal fitness instructor.

Applying principles of training:

In the world of team and individual sport, it is vital that coaches keep their performers in peak condition. They do this by regularly monitoring them through fitness tests and by designing bespoke training programmes to suit the type of sport, performance schedule and the individual themselves. This unit allows you to develop your understanding of training programmes in a practical sense, this will allow you to improve your level of fitness and the fitness of others.

The body's response to physical activity:

It is recognised that physical activity is essential to maintaining good health. Many careers within the sport, leisure and health industries require employees to have an understanding of how the body changes and responds to physical activity. With this knowledge that you will gain from this unit, it is possible to improve your own body systems to optimise sports performance and promote a healthier lifestyle.

Sports nutrition:

In all walks of life, appropriate nutrition and diet are vital to our health and wellbeing. In the world of sport, the right nutrition is as important as the right equipment and the right training methods, because without suitable nutrition a performer's body would not be able to cope with the stresses and strains put on it. This would lead to deterioration not only in performance, but also in health. The amount of legislation and media coverage that surround the use of supplements in elite sport, some of which are approved and some of which are prohibited, highlights the value placed on nutrition in modern-day sport.

Assessment

One unit is an exam (1 hour) and the other three units are coursework based.

Entry Requirements, Advice and Guidance

The course requires a high level of commitment to the learning of new areas in both a practical and theoretical physical education environment.

3 hour option

General Comments

Elite sport has embraced sport science disciplines wholeheartedly in the past few decades, moving from a perspective which assumed the primacy of natural talent in producing outstanding performance, to one which considers every minute detail of an athlete's training programme, rest time, environment and psychology in the pursuit of excellence. The Cambridge Nationals in Sport Science offer students the opportunity to study key areas of sport science including anatomy and physiology linked to fitness, health, injury and performance; the science of training and application of training principles, and psychology in sport and sports performance.

Future Prospects/Career Options

This course is an appropriate gateway to a range of exciting careers and opportunities in the sporting industry. Successful completion of the course offers an appropriate foundation for Level 3 Sport Courses such as A-Level Physical Education and BTEC National Diplomas in Sport and Exercise Sciences. Candidates who successfully follow this pathway can look towards a career in a range of different professions such as PE Teacher, Sports Coach, Fitness Instructor, Dietician, Sports Development Officer, Sports Psychologist, Personal Trainer and Sports Development Officer.

LAMDA Performance Exam – ACTING

Grade 3-5

Course Description

2 Scenes will be studied, rehearsed and performed.

For Scene 1: Solo/Duologue learners will perform from memory one solo/duologue scene of their own choice which has been selected from a play written during one of the following periods:

- Ancient Greek and Roman
- Elizabethan and Jacobean
- Restoration and Post-Restoration
- 1800 to 1980

For Scene 2: Solo/Duologue learners will perform from memory one solo/duologue scene of their own choice which has been selected from a play, television or film screenplay published post-1980.

To test Knowledge, the learner(s) will answer questions on the following:

- the character's objective in each scene performed
- the character's role within the context of each play as a whole.

Assessment

100% Examination

On completion of this unit the learner(s) will be able to: perform the chosen scenes from memory, demonstrating an understanding of the material. Use vocal skills in response to the text. Create a physical response to the text. Know and understand the content and context of the chosen scenes.

Entry Requirements, Advice and Guidance

Students must be comfortable and prepared to perform in front of a supportive audience and ideally studied Drama at KS4 or outside of school.

General Comments

This course will allow students greater choice and options for studying Performing Arts related subjects at OGA in Year 11.

Future Prospects/Career Options

This course will be excellent preparation for performing arts courses at Post 16 study and beyond. It is a highly respected qualification within the Performing Arts Industry and one that helps to prepare for training in higher education. This is suitable for anyone who enjoys performing and is interested in performing in the future.

NB – This course is non-contributing and does not count towards a student's attainment 8 score.

3 hour option

NCFE Level 2 Technical Award in Music Technology

Course Description

This course focuses on the use of technology to create and record music.

The units include:

- 1 – Using a digital audio workstation
- 2 – Creating Music
- 3 – Studio Recording
- 4 – Sound Creation

Students will learn how to produce music from selecting and setting up microphones, to mixing and editing a final product.

Assessment

Units combine both internal and externally assessed projects and exams.

Assessments range from recording and production work, including final mixes and log books to detail the process.

Students will also create presentations and research documents as well as sitting a written and practical exam.

Entry Requirements, Advice and Guidance

GCSE Music is not essential, however, students should have an understanding of music theory and the elements of music.

Students should be able to play an instrument, although this is not formally assessed.

Students should have excellent ICT skills and experience using Apple Macs and Logic Pro software.

General Comments

This course builds on the Music Technology work in GCSE Music and will support A Level Music applications, as well as opening up the option of a post 16 Sound Engineering qualification.

Future Prospects/Career Options

This course will be excellent preparation for Sound Engineering and A Level Music courses at Post 16 study and beyond. This course could lead to the following career paths:

Record Producer, Recording Engineer, Mastering and Mix Engineer, Production Music Composer, TV Music Director, Foley Artist for Film, Sound Recordist for TV and Film, Stage Manager, Live Sound Technician, Production Manager, Teacher.

3 hour option

GCSE Statistics

Course Description

- Planning a line of enquiry or investigation
- Types of data
- Census and sample data
- Sampling techniques
- Collecting or obtaining data
- Processing, representing and analysing data
- Methods of tabulation
- Diagrams and similar forms of representation
- Measures of central tendency
- Measure of dispersion
- Summary statistics
- Scatter diagrams, correlation and regression
- Time series
- Quality assurance
- Estimation
- Reasoning, interpreting and discussing results
- Inference and other reasoning
- Predictions
- Interpretation and conclusion
- Probability
- Definitions and calculations
- Discrete probability distributions

Assessment

External exam (100% of the total GCSE) 2 exam papers

Foundation Tier

- Two written papers lasting 1 hour 30 minutes each
- 80 marks per paper. Each worth 50% of the final grade.
- Consists of questions in familiar and unfamiliar contexts
- Contains short answer and long answer questions
- Questions set on standard statistical techniques, diagrams and probability
- Questions which give the student the opportunity to analyse written and statistical evidence

Higher Tier

- Two written papers lasting 1 hour 30 minutes each
- 80 marks per paper. Each worth 50% of the final grade.
- Consists of questions in familiar and unfamiliar contexts
- Contains short answer and long answer questions
- Questions set on standard statistical techniques, diagrams and probability
- Questions which give the student the opportunity to analyse written and statistical evidence

3 hour option

Future Prospects/Career Options

Statistics is a gateway into all sorts of exciting future careers - Computer Games Designer, Aerodynamicist, Engineer, Music Producer, Air-Traffic Controller, Banker, Defence Analyst, Designer, Investment Analyst, Economist, Tax Advisor, Accountant, Actuary, Auditor, Modelling Analyst, Stockbroker, Architect, Systems Analyst, Forensic Statistician, Environmental Statistician, Medical Statistician, Pharmaceutical Statistician, Market Research Statistician, Sports Statistician, Statistical Consultant.

GCSE Media Studies

Course Description

In this course you will study a range of media - newspapers, television, music video and online, social and participatory media – analysing how and why these products are created and the role of these media products in society.

This course combines practical production tasks e.g. planning and creating a media product with analytical essays and exploration of media products within a specified framework.

You will complete a Controlled Assessment which will form 30% of your GCSE qualification and will enable you to work on your research, planning, analytical and evaluative skills. There will be a production task that will focus on your creative production skills.

Your exams will form 70% of your final grade.

Assessment

External Assessment 70%:

- Component 1 – 1 hour 30 minutes - 40%
- Component 2 – 1 hour 30 minutes - 30%

Controlled Assessment 30% (NEA)

General Comments

This course will help you understand the ways in which the popular culture you encounter every day is created and the ways it may try to entertain you, inform you and persuade you to spend money or influence your thinking.

The course is based very strongly on independent working and you need to be prepared to develop your personal organisation and investigation skills.

There will also be opportunities for you to develop your technical skills. For example, you may get to use a video camera or a stills camera or learn how to use programs like Photoshop when creating your own productions.

Future Prospects/Career Options

GCSE Media Studies is further evidence of the way you have developed your communication and reading skills. GCSE Media Studies could lead to jobs in the media, including advertising, journalism, filmmaking or public relations. In addition to this, in an increasingly media dependent world, it will give you many transferable skills for any business or professional context where the ability to communicate with a mass audience is important.

3 hour option

Student Comments

"I now appreciate the impact the media has on my daily life."

"I really enjoyed creating my own media texts, especially print media, such as a magazine front cover and advertisement."

"Creating my own website was really exciting and the evaluation process was helpful in considering how effective it was."

"Media Studies GCSE is a great course. Be prepared to work hard!"

GCSE Astronomy

Course Description

Most people are fascinated by the night sky and are interested in stories about our continuing exploration of our Solar System and Universe. This course has been developed to build on that interest and to give an introduction to the subject of astronomy.

The course will enable students to understand our position in the Universe, the movements of planets and stars, the cycles in the night and daytime sky, and the way in which we use technology to observe and interact with space. Students will follow an incredible story of how scientists, from ancient civilisations to the modern day, have used their imagination and carefully recorded visual measurement to explore the Universe in which we live.

The course is split into two parts.

Naked eye Astronomy

Topic 1 – Planet Earth

Topic 2 – The lunar disc

Topic 3 – The Earth-Moon-Sun system

Topic 4 – Time and the Earth-Moon-Sun cycles

Topic 5 – Solar System observation

Topic 6 – Celestial observation

Topic 7 – Early models of the Solar System

Topic 8 – Planetary motion and gravity

Telescopic Astronomy

Topic 9 – Exploring the Moon

Topic 10 – Solar astronomy

Topic 11 – Exploring the Solar System

Topic 12 – Formation of planetary systems

Topic 13 – Exploring starlight

Topic 14 – Stellar evolution

Topic 15 – Our place in the Galaxy

Topic 16 – Cosmology

Assessment

Two externally examined papers

Paper 1: Naked eye Astronomy 50%

Paper 2 Telescopic Astronomy 50%

Entry Requirements, Advice and Guidance

Because of the high Physics content, this course is only suitable for those students studying Triple Science.

Future Prospects/Career Options

Students can go on to study A levels in Biology, Chemistry and/or Physics whichever pathway they take. These advanced subjects can then lead on to University Science study. Fascinating professions using science include medicine, veterinary science, pharmacology, forensic science, cosmology, space science, oceanography, engineering and teaching. These qualifications are also a gateway into many other non-science career.

3 hour option

Course Description

The course is examined in all four areas of listening, reading, speaking and writing. Building on your knowledge of learning a language from KS3, you will study a variety of authentic, topical and cultural material surrounding the topics of:

- Identity and culture (including: freetime, family and social media)
- Local, national, international and Global areas of interest (including: your town, social issues, the environment and travel and tourism)
- Current and future employment (including: school, P16 education, jobs and careers)

The aim of the course is to develop your speaking and listening skills, as well as your understanding of how language works.

This course will also allow you to learn about the country your language originates as well as finding out about speaking communities and countries.

Topics and tasks may include:

- ICT tasks and web pages from the target country
- News and current affairs topics
- Information gathering and sharing on famous people from the target country
- Study of the country and its culture, e.g. transport, regions, fashion, sport
- Study of the grammar of the language to increase understanding and independent expression
- Reading stories / poems, etc
- Creative writing.

Assessment

**100% Examination
(25% Listening, 25% Reading,
25% Speaking, 25% Writing).**

You will be examined at the end of the course in all the four skills of Listening, Reading, Speaking and Writing. Each of these exams will be worth 25% of your final grade. You and your teacher will decide whether you should take the Foundation papers (Grades 1-4) or the Higher papers (Grades 4-9) in these skills.

Entry Requirements, Advice and Guidance

The course is open to all students.

General Comments

Students who study a foreign language often have a deeper understanding and interest in the world around them.

This leads to an increased appreciation of their own culture as well as other cultures. Additionally, students find that studying a foreign language allows them to deepen their knowledge of how their own language works and this has a positive impact on other GCSE subjects.

Future Prospects/Career Options

Employers and universities like students with Languages GCSEs because they have shown commitment and the ability to work independently. They have demonstrated that they have excellent communication skills and can learn and retain information. Almost all university courses include an option to add study of a foreign language and/or study abroad. Having a foreign language to GCSE level will complement all other subjects and will show that you have an ability to communicate effectively with others.

In an increasingly globalised world, many professions and international companies actively seek employees who are able to speak a foreign language, and will often pay a higher salary for this skill.

- Logistics
- International Business
- Hospitality Industry
- Travel and Tourism

6 Hour Option

Student Comments

"The teachers make you feel confident that you will pass your language GCSE."

"Learning languages gives you an overall goal and sense of determination to do the best you can and achieve what you believe you can."

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