

# GUIDED PATHWAY

YEAR 10→11  
2019/20

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

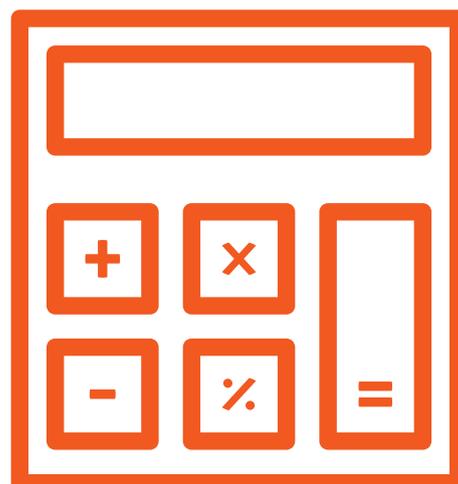
There are 6 main areas of study - Number, Ratio, Algebra, Geometry & Measures, Probability and Statistics. These areas of study are assessed through exams at the end of the course.

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.**

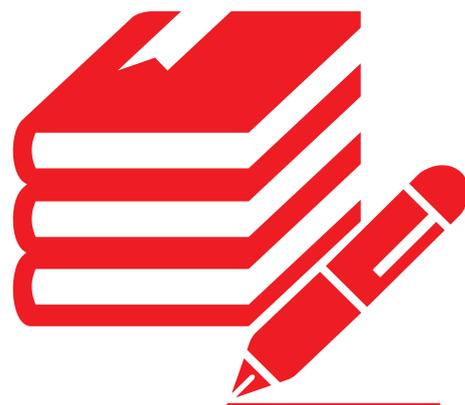
## Option English

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 three GCSEs (Triple Science) and some students will achieve two GCSEs in Combined 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

Students who have selected to do Sports Science as an option will be grouped with other Sports Sciences students in core time (where possible) to give these students an additional opportunity to improve their practical or theory grade.

## 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.

**3 hour option**

# 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."*

# GCSE Psychology

## Course Description

Psychology is the scientific study of behaviour and mental processes.

Psychologists study what people do and what they experience.

The GCSE covers the 5 main approaches in Psychology.

**Unit 1** consists of:

Biological Psychology - sex and gender

Cognitive Psychology - memory

Developmental Psychology - attachment

Social Psychology - obedience

Individual Differences - atypical behaviour

**Unit 2** consists of:

Biological Psychology - criminal behaviour

Cognitive Psychology - perception

Developmental Psychology - cognitive development

Social Psychology - non-verbal communication

Individual Differences - the self

**Unit 3** consists of:

Planning, doing and analysing research and planning an investigation.

## Assessment: Worth 1 GCSE

All units are examined. There is no coursework.

Unit 1 is worth 40% of the GCSE.

Unit 2 is worth 40% of the GCSE.

Unit 3 is worth the remaining 20% of the GCSE.

All students sit the same examination papers.

## Entry Requirements, Advice and Guidance

You need to have good skills in English Language in order to write clear, extended answers. It is advisable that students achieve Level 5 or above in English.

## Future Prospects/Career Options

Careers specific to psychology include: clinical psychology, social work, teaching and educational psychology, health psychology, forensic psychology, sports psychology and psychiatric nursing. It also has relevance in other occupational areas including management, advertising, personnel and careers in the legal system. Psychology is a useful subject to have because it demonstrates that you have a range of transferable skills.

## 6 hour option

### Student Comments

"Be ready to have a lot of fun, this is the only course I've really enjoyed coming into school for."

"The course gives you academic knowledge but you also grow as a more independent, mature student while taking this course."

"It will open up a world inside your head, exploring why and the way we work; an amazing adventure."

"Do it! It's really interesting but a lot of work."

# 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 lifestyles.

### 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 Level 3 Certificate in Performance (Grade 6 Bronze) - ACTING

## 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.

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**

## 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!"*

# BTEC Tech Award in Enterprise

## Course Description Pearson Btec Tech Award

### Component 1: Exploring Enterprises

In this unit, students will study:

- Different types of enterprise and their ownership.
- The importance of a clear focus on the customer and the importance of meeting their needs.
- Relevant skills in market research and analysis.
- Be able to interpret findings to support your understanding of customers and competitors.
- Investigate ways in which situational analysis can be used to support decision making.
- How the success can be monitored in an SME.

### Component 2: Planning for and Running an Enterprise

In this unit, students will select an enterprise idea to plan and pitch for. They will work as a small group to run a micro-enterprise activity, and will develop their skills in operating and reviewing the success of the enterprise. Students will have the opportunity to plan how best to set up the enterprise and how to fund it. They will then pitch their developed idea and comment on the ideas of others. Students will then work with others to set up and run a micro enterprise activity, using your knowledge of entrepreneurial characteristics and qualities.

### Component 3: Promotion and Finance for Enterprise

In this final unit, students will explore the different promotional methods used by enterprises and the factors that influence how enterprises identify and target their market. They will explore financial documents and how to use them to monitor and improve the performance of an enterprise in order to make decisions and recommend strategies for the success of an enterprise.

## Assessment

60% Coursework (Unit 1 and 2)  
40% Examination (Unit 3)

## Entry Requirements, Advice and Guidance

There are no formal entry requirements. Students must be aware that there is a considerable amount of written work required to produce their portfolios and students must have good research skills due to investigating a number of different small and medium size enterprises.

## Future Prospects/Career Options

This qualification can lead to a full range of education and training at Post-16 level. Studying Business is especially favoured by employers as students are equipped with the necessary skills in Business and Enterprise.

6 hour option

**Outwood Grange Academy**

Potovens Lane

Outwood

Wakefield

WF1 2PF

Tel: 01924 204 350

[www.grange.outwood.com](http://www.grange.outwood.com)