Introduction

This brochure contains provisional information about the courses available in the Sleaford Joint Sixth Form for 2020.

The page opposite contains a list of courses provisionally available for September 2020. Please use the decision making diagram on pages 3 and 4 to help you decide on the pathway which would most suit your learning styles and ability. Once you have selected your likely programme of study, please complete the Application Form which can be found in the prospectus wallet.

For further information about the courses or enquiries about the Sleaford Joint Sixth Form please:

email: sjsf@robertcarretrust.uk
or sjsf@st-georges-academy.org

or contact:

ST GEORGE’S ACADEMY
Westgate, Sleaford
NG34 7PP
Tel: 01529 302487
Email: SJSF@st-georges-academy.org

ROBERT CARRE TRUST
Carre’s Grammar School
Northgate, Sleaford
NG34 7DD
Tel: 01529 302181
Email: SJSF@robertcarretrust.uk

Kesteven and Sleaford High School, Jermyn Street
Sleaford, NG34 7RS
Tel: 01529 414044
Email: SJSF@kshs.uk
Sleaford Joint Sixth Form
Making Good Decisions

Which statement best describes you?
Use the chart to help you make the right decisions.

- Good at exams?
  - Understand complex concepts?

  Achieved:
  ✓ 5+ Grade 5s at GCSE
  ✓ Grade 4 in English
  ✓ Grade 4 in Maths
  ✓ Grade 4 in subjects you wish to study

- Better at coursework?
  - Understand more easily when things are linked to real-life?

  Achieved:
  ✓ 5+ Grade 4s at GCSE
  ✓ Grade 4 in English
  ✓ Grade 4 in Maths
  ✓ Grade 6 in subjects you wish to study

- Achieved:
  ✓ 5+ Grade 5s at GCSE
  ✓ Grade 4 in English

- Achieved:
  ✓ 5+ Grade 4s at GCSE
  ✓ Grade 4 in English
  ✓ Grade 4 in Maths
  ✓ Merit in BTEC

- Achieved:
  ✓ Less than 5 Grade 4s
  ✓ Less than Grade 4 in Maths or equivalent

Which is the best path for you?

3 A Levels or a mixture of A Levels and vocational courses
Possibly plus Extended Project Qualification
Grade 6 is required for academic A levels. For many, Grade 7 is an advantage.

Vocational Level 3 Applied A Levels
Fewer exams
Still provides access to university. Worth 3 A Levels.

One Year:
Boost your GCSE Profile with
✓ Maths & English Resit
✓ Level 2 Vocational course
✓ Weekly work placement

Career-specific Full-time
Level 3 in:
- Public Services
- Art & Design & Photography
- Childcare & Education
- Performing Arts & Music
- Sport & Physical Activity

Much fewer exams
Still provides access to university, worth 3 A Levels

or...

Apprenticeship, possibly through SJSF

There’s something for everyone at Sleaford Joint Sixth Form
Let’s work together to find the right path for you.

CTEC Level 3 Diplomas in Art & Design

AIMS OF THE COURSE
The CTEC Introductory Diploma is designed for students who are interested in Art and Design. The Diploma and Extended Diploma are for students who are more attracted to a career in the Art and Design industry. Any of the above courses prepare students for progression onto higher education.

COURSE CONTENT
The Introductory Diploma course is the equivalent to one A level, to be studied by combining it with two other A levels or equivalents. The Diploma is equivalent to 2 A levels, it can be combined as art and photography, or you can study just art. The Extended Diploma is a full time art course, equivalent to 3 A levels, and can be combined with photography and/or textiles.

The course is based around one mandatory unit alongside additional specialist units which enable students to choose and study particular Art and Design subject areas in depth. These areas could cover printmaking, Fine Art, graphic design, painting, multimedia, 3D and large scale design.

Students learn by completing assignments that are based on realistic Art & Design studio and workplace scenarios, challenges and briefs. They are encouraged to realise their creative potential by applying their ideas, techniques and training to these problem solving assignments using a variety of different art practices. Critical and contextual studies of other artists’ work are also used to develop students’ practical and theoretical understanding.

ASSESSMENT PROCEDURES
All work undertaken throughout the two year course counts towards the final grade, there is no examination element.

Candidates can be awarded a Fail, Pass, Merit, Distinction for their work. All work is assessed internally, standardised internally and externally moderated.

CAREER OPPORTUNITIES
Upon completing any of these courses, students could go into Higher Education to study at Foundation or possibly Degree Level in areas including Graphic Design, Advertising, Fashion Design, Textiles, Multimedia or Fine Art. Alternatively, students can use the qualification to enter into other areas of training.

ENTRY REQUIREMENTS
The minimum entry requirements for level 3 applied study apply. In addition, students must have achieved at least a grade 4 or Merit at level 2 in a creative subject.
A Level Fine Art

If you have enjoyed your GCSE in a Creative Arts subject and wish to continue to develop your creative visual skills at A Level, you have the opportunity to choose one of the three different Fine art courses that SJSF offer. It is essential that you contact, visit and look round the different departments directly to find out about each course and the different approaches and structure of each course, to choose the right one for you. All three courses are designed to develop your own ideas through the use of traditional and/or digital media, materials, techniques and processes for the purpose of self-expression or reflection. Fine Art may be created to communicate ideas and messages about the observed world, the qualities of materials, perceptions, or preconceptions. It can also be used to explore personal and cultural identity, society and how we live, visual language, and technology. Fine Art allows us to consider and reflect on our place in the world, both as individuals and collectively.

A LEVEL COURSE CONTENT AND SKILLS

The Fine Art Courses available at SJSF are all focused on painting, drawing, print and digital media, encompassing many aspects of the modern interpretation of Fine Art. The courses will equip students to make meaningful and high quality artwork in a variety of media for their portfolio on the Arts pathway or to support further studies in the future.

• Possible disciplines within fine art:
  • Painting and drawing
  • Printmaking
  • Mixed Medias and 3D
  • Lens-based image making.

THERE ARE 2 KEY COMPONENTS OVER THE TWO YEARS IN THE A LEVEL FINE ART COURSE:

1. Personal Investigation and portfolio work – comprises of two elements: preparatory practical and critical response work from internally set or negotiated starting points. The personal study will be evidenced through critical written communication showing contextual research and understanding in a minimum 1000 words of continuous prose, which may contain integrated images.

2. Externally set Assignment – Externally set theme, which makes up 40% of the A Level grade consisting of two elements: preparatory practical and critical work and a final outcome produced in the timed test, which is produced in 15 hours. Students will be given their exam paper in the first months of Year 2 and will complete the exam in supervised timed conditions for them to conclude their ideas with an outcome.

ASSESSMENT PROCEDURES

All work is internally marked and then externally moderated by the relevant board AQA/EDXCEL/OCR moderator. Formal assessment points throughout the year are followed in the department in line with school policy.

FURTHER STUDY AND CAREER OPPORTUNITIES

Completion of an Art A Level can lead to working in the creative industries with careers such as; fine arts, advertising and marketing, architecture, crafts, product design, illustration, graphic design and fashion design, film, TV, video, radio and photography, IT, software and computer services, publishing, museums, galleries and libraries, performing arts and general visual arts or a creative subject can be used by students as a facilitating subject, which is desired in many different careers for independent thinking and confidence in problem solving. It is usual that students will follow a one year foundation course, or a direct entry place at a University course at the end of the A Level.

ENTRY REQUIREMENTS

If you are interested in taking art to A Level you must be committed and focussed to the subject, having confidence and enjoyment in visual language. Enjoy taking risks, learning new techniques and thinking freely and independently.

The minimum entry requirements for level 3 academic study apply. In addition, applicants will require a Grade 6 in GCSE Art along with a portfolio review.

Please contact the individual schools directly and visit the departments to gain more insight into how each of the courses are differently structured.

AIMS OF THE COURSE

The CTEC Introductory Diploma in photography allows those students with an interest in the subject to apply their knowledge, skills and enthusiasm and specialise in this area. It will give students the skills to go to university or seek employment in the industry.

COURSE CONTENT

The Introductory Diploma course is the equivalent to one A level, to be studied by combining it with two other A levels or equivalents. This course can also be combined with the Art Introductory Diploma, if desired, to make a Diploma, worth 2 A Levels, or even with a Diploma in Art to create an Extended Diploma, worth 3 A Levels.

The course is based around one mandatory unit alongside additional specialist units which enable students to choose and study particular Photography subject areas in depth. These areas could cover digital photography, film-based photography, portrait photography, digital image creation and landscape photography. Critical and contextual studies of other photographers’ work are also used to develop students’ practical and theoretical understanding.

Students learn by completing assignments that are based on realistic photographic studio and workplace scenarios, challenges and briefs. They are encouraged to realise their creative potential by applying their ideas, techniques and training to these problem solving assignments using a variety of different practices.
A Level Photography (Lens based medias) EDEXCEL

AIMS OF THE COURSE
Photography has been used by practitioners to record, document and present examples of everyday life, in ordinary and extraordinary circumstances. It has also been used as the vehicle for artistic expression, communicating personal ideas about the world around us. It is used to convey personal identity more widely than any other art form, is applied in the creative process across art, craft and design and is widely used in social, commercial and scientific contexts. The development of affordable lens-based technology has changed the way that both professionals and the public use photography.

A LEVEL COURSE CONTENT AND SKILLS
This course is focused on digital and darkroom photography, animation, video and digital media with Fine Art practical skills. This diverse and exciting course will equip students to make meaningful and high quality artwork in a variety of lens based medias. On the course students are given the opportunity to take part in our visual arts programme of activities which include working with practising artists and practitioners, life drawing, study visits to London and New York are just some examples from the busy visual arts calendar. If you are interested in taking Art to ‘A’ Level you must be committed and focused to the subject, having confidence and enjoyment in visual language.

Disciplines within Photography
• Mixed media work
• Printmaking / collage & photomontage
• Digital and darkroom photography
• Animation and Video

THERE ARE 2 KEY COMPONENTS IN THE A LEVEL PHOTOGRAPHY COURSE:

1. Personal Investigation
Internally set theme and project work, incorporates three major elements: supporting studies, practical work, and a personal study, which begins in the final part of Year 1 and makes up 60% of the A Level grade. Supporting studies and practical work will comprise a portfolio of development work and outcomes based on themes and ideas developed from personal starting points. The personal study will be evidenced through critical written communication showing contextual research and understanding in a minimum 1000 words of continuous prose, which may contain integrated images. The personal investigation component follows the foundation stage of the course, which takes place in the first part of the first year. The foundation stage will equip students with fresh approaches and skills within lens based media, which they will bring into their personal investigation.

Starting with practical workshops to build their skills in Lens based media, enabling them to make an individual and original interpretation from a given theme.

2. Externally set Assignment
Externally set theme, which makes up 40% of the A Level grade consisting of two elements: preparatory work and a final outcome, which is produced in 15 hours.

ASSESSMENT PROCEDURES
All work is internally moderated and then externally moderated by an EDEXCEL moderator. Formal assessment points throughout the year are followed in the department in line with school policy.

FURTHER STUDY AND CAREER OPPORTUNITIES
Recent students have followed degrees in a range of different disciplines through direct entry at top universities such as Edinburgh/Glasgow/Norwich school of Art, Newcastle, Reading and Leeds and entry to foundation years at Art school. Completion of an Art A Level can lead to working in the creative industries with careers such as; Fine Arts, Advertising and marketing, Architecture, Crafts, Product design, illustration, graphic design and fashion design, Film, TV, video, radio and photography, IT, software and computer services, Publishing, Museums, galleries and libraries, performing arts and general visual arts. A creative subject can be used by students as a facilitating subject, which is desired in many different careers for independent thinking and confidence in problem solving.

ENTRY REQUIREMENTS:
If you are interested in taking Photography to ‘A’ Level you must be committed and focused to the subject, having confidence and enjoyment in visual language. Enjoy taking risks, learning new techniques and thinking freely and independently.

The minimum entry requirements for level 3 academic study apply. In addition, applicants will require a Grade 6 in an Art/Creative specialism.
A Level Business (Edexcel)

Business qualifications are increasingly sought after by employers, and are a great platform for higher education. This course has a wide ranging syllabus, taking in global and domestic business practices, making it an attractive option for those seeking a broad introduction to the subject.

THIS COURSE ENCOURAGES STUDENTS TO:

- Develop an enthusiasm for studying business
- Gain a holistic understanding of business in a range of contexts
- Develop a critical understanding of organisations and their ability to meet society’s needs and wants
- Understand that business behaviour can be studied from a range of perspectives generate enterprising and creative approaches to business opportunities, problems and issues
- Be aware of the ethical dilemmas and responsibilities faced by organisations and individuals
- Acquire a range of relevant business and generic skills, including decision making, problem solving, the challenging of assumptions and critical analysis
- Apply numerical skills in a range of business contexts.

COURSE CONTENT:
The specification is structured into four ‘themes’, assessed across three examinations. This course has been designed to reflect this, and will take students through each theme in the following order:

**Theme 1: Marketing and people**
Students will develop an understanding of:
- Meeting customer needs
- The market
- Marketing mix and strategy
- Managing people
- Entrepreneurs and leaders

**Theme 2: Managing business activities**
Students will develop an understanding of:
- Raising finance
- Financial planning
- Managing finance
- Resource management
- External influences

**Theme 3: Business decisions and strategy**
This theme develops the concepts introduced in Theme 2. Students will develop an understanding of:
- Business objectives and strategy
- Business growth
- Decision-making techniques
- Influences on business decisions
- Assessing competitiveness
- Managing change

**Theme 4: Global business**
This theme develops the concepts introduced in Theme 1. Students will develop an understanding of:
- Globalisation
- Global markets and business expansion
- Global marketing
- Global industries and companies (multinational corporations)

In order to attain this qualification, you must sit three examinations, details of which can be seen below:

**PAPER 1: MARKETING, PEOPLE AND GLOBAL BUSINESS **PAPER CODE: 9B50/01**

Paper 1 is a written examination and will assess marketing, people and global businesses. Questions will be drawn from Themes 1 and 4, and from local, national and global contexts.

**Details:**
- **Exam Length:** 2 hours
- **Exam Weighting:** 35% of the total qualification
- **Questions:** The paper has two sections, A and B. Students answer all questions from both sections. Sections A and B each comprise one data response question broken down into a number of parts, including one extended open-response questions.
- **Marks:** 100 marks in total.

**PAPER 2: BUSINESS ACTIVITIES, DECISIONS AND STRATEGY **PAPER CODE: 9B50/02**

Paper 2 will assess business finance and operations, business decisions and strategy. Questions will be drawn from Themes 2 and 3, and from local, national and global contexts.

**Details:**
- **Exam Length:** 2 hours
- **Exam Weighting:** 35% of the total qualification
- **Questions:** The paper has two sections, A and B. Students answer all questions from both sections. Sections A and B each comprise one data response question broken down into a number of parts, including one extended open-response questions.
- **Marks:** 100 marks in total.

**PAPER 3: INVESTIGATING BUSINESS IN A COMPETITIVE ENVIRONMENT **PAPER CODE: 9B50/03**

Paper 3 will assess content across all four themes. Questions will be drawn from local, national and global contexts. For Paper 3, there will be a pre-released context document issued. A new context will be given out each year and will relate to the examination series for the following summer. The context will focus on a broad context, such as an industry or market in which businesses operate. The question paper will be in two sections.

The first section will focus on the broad context provided. This will be outlined to centres through the pre-released document. Questions will focus on the broad context.

The second section will focus on at least one strand within the context provided, such as a particular business.

Each section will contain unseen stimulus materials comprising quantitative and qualitative evidence. Students are required to apply their knowledge and understanding from Themes 1, 2, 3 and 4 and their understanding of the broad context to this evidence. Students cannot take any of their research or investigation data carried out as part of the pre-release into the examination.

**Details:**
- **Exam Length:** 2 hours
- **Exam Weighting:** 30% of the total qualification
- **Questions:** The paper has two sections, A and B. Students answer all questions from both sections. Sections A and B each comprise one data response question broken down into a number of parts, including one extended open-response questions.
- **Marks:** 100 marks in total.

**ENTRY REQUIREMENTS**
The minimum entry requirements for level 3 academic study apply. In addition, applicants will require a Grade 6 in English and a Grade 5 in Maths.
CTEC Level 3 Business

AIMS OF THE COURSE
This exciting new program of study aims to equip students with the practical knowledge and skills to become an effective business practitioner. The course focuses on the technical and practical aspects of business management, developed through group activity and project-based work. This modular course is available in ‘single’ or ‘double’ options. The course of study is very much ‘hands on’, with an emphasis on marketing, individual projects, and team-based working.

COURSE CONTENT
The CTEC Level 3 Business program will follow the new NQF syllabus. All courses are completed over a two-year period.

<table>
<thead>
<tr>
<th>Single Extended Certificate</th>
<th>Double Diploma</th>
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<tbody>
<tr>
<td>360 GLH</td>
<td>720 GLH</td>
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<tr>
<td>5 Units</td>
<td>5 Units</td>
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<tr>
<td>(Examination)</td>
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<td>(Coursework)</td>
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<tr>
<td>5. Principles of Project Management</td>
<td>5. Delivering a Business Project (Coursework)</td>
</tr>
</tbody>
</table>

All ten units combine to make the double award.

SKILLS REQUIRED
Students will benefit from an inquiring mind and an interest in current affairs, especially in the business world. The course is underpinned by the students’ own self-directed study and the creation of coursework portfolio units, which require self-discipline and an ability to write clearly and express ideas which are supported by research. A high level of student participation is expected in activities and visits. The ability to work well in private study and as a member of a team is a very big advantage on this course.

ASSESSMENT PROCEDURES
This course is assessed through the submission of self-directed coursework presented as portfolios by students at the end of each unit studied. Examination and exam board assessed assignments.

CAREER OPPORTUNITIES
Students taking this course progress to college or university to study a related subject or go directly into work in supervisory and management positions in a broad range of industries. The practical nature of the course assists in equipping students with the interpersonal and business skills valued by employers in the workplace across all sectors of industry. A core component of the course is the study and experience of setting up and running a small business enterprise, and many students consider this as a longer-term objective, supported by the knowledge and experience gained from the course.

COURSE ENTRY REQUIREMENTS
The minimum entry requirements for level 3 applied study apply. In addition, students will be required to have achieved at least grade 4 in maths. Grade 5 in maths and English would be an advantage for this course.

BTEC Nationals in Travel & Tourism

AIMS OF THE COURSE
This course aims to prepare students for a career in the Travel & Tourism industry and gives an opportunity to develop transferable and higher order skills. The program of study is designed to introduce the theory behind tourism as a business specialism and to prepare for further study in higher education. Alongside this, students gain the practical project management skills associated with the research of four chosen project topics.

COURSE CONTENT
The course is modular in format with an option to take the single award, equivalent to one A Level, or the combined double award, equivalent to two A Levels.

SKILLS REQUIRED
Students will benefit from a genuine interest in the travel business, news and current affairs, especially events that relate to the tourism industry. An interest in geography is also very useful. This course is very dependant on the students’ own self-directed study and the creation of coursework portfolio units. This course calls for students to be very self-disciplined. The presentations that are given also require students to be prepared to develop their ability to write clearly and express ideas one to one and in larger groups. As such, the ability to work well in private study and as a member of a team is a very big advantage.

ASSESSMENT PROCEDURES
The course comprises coursework portfolio assessment, externally set coursework tasks and examinations.

CAREER OPPORTUNITIES
Upon completion of this course students go on to study travel and related tourism management subjects. Often, students combine their interest in a foreign language or sport and go on to study a sport or international management course. In addition, students have taken employment and management training positions in the Tourism industry across a range of sectors including Tour Operators, Airlines, Sports Centres and Hotels.

COURSE ENTRY REQUIREMENTS
The minimum entry requirements for level 3 applied study apply. In addition, students are expected to have gained a BTEC Merit or GCSE, grade 5 in Business Studies or a similar related subject such as Geography.
Cambridge Technical Diploma in Health and Social Care Level 2

There are a wide range of career opportunities across all sectors of Health, Social Care and Children & Young People. The course will equip you with the skills you need for either an apprenticeship, work or further study in this area as a first step towards a career in any of these sectors.

The subject is taught by enthusiastic and committed staff who bring out the best in the students.

The OCR Level 2 Diploma is a one year full-time course that consists of 4 mandatory units and a further 4 units decided by the tutors that provide for a combined total of 60 credits. Students will be required to undertake work experience in a related setting two days a week throughout the duration of the course. Opportunities to study GCSE Maths and English will be timetabled if required.

Students are not required to have studied this subject previously.

**Unit titles include:**
- Communication in Health & Social Care
- Individual Rights in Health & Social Care
- Individual Needs in Health & Social Care
- Ensuring Safe Environments in Health & Social Care
- Vocational Experience in Health & Social Care
- Cultural Diversity in Health & Social Care
- Human Lifespan Development
- Emergency Care in Health & Social Care

**METHODS OF ASSESSMENT**
Students are assessed through their portfolio of coursework taken under controlled assessment conditions in school - there are no examinations.

**SKILLS REQUIRED**
A keen, enthusiastic approach to the subject is required and the ability to independently arrange work experience placements. Students will also be expected to work as part of a team, thus requiring good communication and presentation skills. Practical application of learning is a key skill to success.

Cambridge Technical Diploma in Health and Social Care Level 3

There are a wide range of career opportunities across all sectors of Health, Social Care and Children & Young People. The course will equip you with the skills you need for either university or work, and is a first step towards a career in any of these areas.

The subject is taught by enthusiastic and committed staff who bring out the best in the students.

The OCR Level 3 Diploma is a two year course that consists of 7 mandatory units, plus 5 optional units and is broadly equivalent to two A Levels. Students will be required to carry out two weeks of work experience in a related setting during this course. This course requires a commitment to the full two year programme as final accreditation is not available until the end of year 13.

**Examples of Unit Titles include:**
- Building Positive Relationships
- Looked-after Children & Young People
- Supporting People with Learning Disabilities
- Personalisation and Person-centred Approach to Care

**METHODS OF ASSESSMENT**
Students are assessed through their portfolio of 7 pieces of coursework taken under controlled assessment conditions in school plus 5 examinations in January and June.

**SKILLS REQUIRED**
A keen, enthusiastic approach to independent study is required, as well as the ability to write coherently and in-depth at Level 3. Students will also be expected to work as part of a team, thus requiring good communication and presentation skills. Practical application of learning is a key skill to success.

**ENTRY REQUIREMENTS**
The minimum entry requirements for Level 3 applied courses apply.
Cambridge Technical Extended Certificate in Health & Social Care Level 3

There are a wide range of career opportunities across all sectors of Health, Social Care and Children & Young People. The course will equip you with the skills you need for either university or work, and is a first step towards a career in any of these areas.

The subject is taught by enthusiastic and committed staff who bring out the best in the students. The O.C.R. Level 3 Diploma is a two-year course that consists of 4 mandatory units plus 2 optional units and is broadly equivalent to one A Level.

Students will be required to carry out two weeks of work experience in a related setting during this course. This course requires a commitment to the full two-year programme as final accreditation is not available until the end of year 13.

EXAMPLES OF UNIT TITLES INCLUDE:
- Building Positive Relationships
- Equality, Diversity and Rights
- Nutrition for Care
- Supporting People with Learning Disabilities

METHODS OF ASSESSMENT
Students are assessed through their portfolio of 3 pieces of coursework taken under controlled assessment conditions in school plus 3 examinations in January and June.

SKILLS REQUIRED
A keen, enthusiastic approach to independent study is required, as well as the ability to write coherently and in-depth at Level 3. Students will also be expected to work as part of a team, thus requiring good communication and presentation skills. Practical application of learning is a key skill to success.

ENTRY REQUIREMENTS
The minimum entry requirements for level 3 applied courses apply.

A Level Geography - Edexcel

Geography is offered at all schools across the Joint Sixth Form. Geography has a strong emphasis upon the study of contemporary issues, i.e. within the last 30 years. In particular, we look at the relationship of human populations to each other over space and time, and their relationship with their physical environment at a variety of scales from the local to the global. Geography also encourages the acquisition of a broad range of skills, many of which will be useful in later life.

A LEVEL GEOGRAPHY TOPICS
Physical Geography (Paper 1) 30% of the qualification:
- Core: The Water Cycle and Water Insecurity
- The Carbon Cycle and Energy Insecurity
- Tectonic Processes and Hazards
- Climate Change Futures

Options: Coastal Landscapes or Glaciated Landscapes

Human Geography (Paper 2) 30% of the qualification:
- Core: Globalisation
- Superpowers
- Regenerating Places or Diverse Places
- Issues Evaluation (Paper 3) 20% of the qualification:
- Core: Health, Human Rights and Intervention or Migration, Identity and Sovereignty
- This is a synoptic paper that will be based around core themes within the course. Students will need to evaluate an issue presented in a resource booklet within this written exam.

Independent Investigation 20% of the qualification:
This is an independent study based on fieldwork done during the course of the 2 years. It is done as a fieldwork report at approximately 3000-4000 words.

Students will be expected to present and analyse data collected during fieldwork and conclude on their own question. Students will work on this element throughout the duration of A Level Geography. This component is internally marked and externally moderated.

Fieldwork:
There will be a minimum of 4 days fieldwork done during the course. This may be local area studies or work done further-a-field. The fieldwork will comprise of both Physical and Human Geography and will be connected in part to the Independent Investigation unit.

FUTURE OPTIONS WITH GEOGRAPHY
Studying Geography A Level could lead to a variety of careers or further study due to the wide range of skills and topics studied. Common careers include accountancy, cartography, conservation, environmental and hazard management (e.g. flooding, forestry), law, management consultancy, meteorology, oceanography, teaching, town planning, traffic management. Most universities offer Geography or related subjects such as environmental studies, at a variety of grades.

ENTRY REQUIREMENT:
Students will work on this element throughout the duration of A Level Geography. This component is internally marked and externally moderated.

Fieldwork:
There will be a minimum of 4 days fieldwork done during the course. This may be local area studies or work done further-a-field. The fieldwork will comprise of both Physical and Human Geography and will be connected in part to the Independent Investigation unit.

FUTURE OPTIONS WITH GEOGRAPHY
Studying Geography A Level could lead to a variety of careers or further study due to the wide range of skills and topics studied. Common careers include accountancy, cartography, conservation, environmental and hazard management (e.g. flooding, forestry), law, management consultancy, meteorology, oceanography, teaching, town planning, traffic management. Most universities offer Geography or related subjects such as environmental studies, at a variety of grades.

ENTRY REQUIREMENT:
The minimum entry requirements for level 3 academic study apply. In addition, a grade 6 in Geography GCSE is needed.
A Level Government and Politics

AIMS OF THE COURSE
• To develop a critical awareness of the nature of politics and the relationship between political ideas, institutions and processes
• To acquire knowledge and understanding of the structures of authority and power within the political system of the UK, and how these may differ from those of other political systems
• To develop an informed understanding of the rights and responsibilities of the individual
• To encourage an interest in and engagement with contemporary political issues

COURSE CONTENT
The A -Level Government and Politics course develops a broad knowledge and understanding of the political system of the UK, including the local and European Union (EU) dimensions. It encourages candidates to develop their capacity for critical thinking, to see relationships between different aspects of government and politics and to perceive their field of study in a broader perspective, including some comparisons with other political systems. The course also seeks to develop knowledge and understanding of relevant political concepts and processes.

It should be paramount for all young people to be aware of how our government operates and to understand what it means to be an active, informed citizen outside the academic setting. A Level Government and Politics is the ideal subject to gain an understanding of the very important privileges that UK citizens enjoy. Government and Politics is also an exciting and intellectual challenge.

SKILLS REQUIRED
Written fluency and the ability to analyse documents are important skills in this subject. It is essential to have an interest in Politics to study this subject, and all candidates are expected to keep themselves well-informed about contemporary developments. What makes it different as an academic subject is the emphasis on debate, discussion and argument. The ability to look at different perspectives and critically analyse them is of fundamental importance.

ASSESSMENT PROCEDURES
All units are 100% exam based. There is no coursework required for A Level Government and Politics.

CAREER OPPORTUNITIES
Government and Politics is useful in a wide variety of careers where written fluency in presenting an argument is required. The ability to think critically and reach reasoned conclusions is a skill used in many careers, for example Law, Banking, Journalism and Business. It is also a useful subject to have for many University courses.

ENTRY REQUIREMENTS
The minimum entry requirements for level 3 academic study apply. In addition, applicants require a Grade 6 in English.
A Level History

History is offered at all schools across the Joint Sixth Form. We all follow the AQA specification which offers a range of interesting and engaging historical topics for study: Carre's Grammar School, Kesteven and Sleaford High School and St. George's Academy each offer different courses focused on aspects of British, European and World History. All three courses aim to offer a combination of breadth and depth of study.

AIMS OF THE COURSE

• Develop a coherent knowledge of the past;
• Develop and apply understanding of historical topics;
• Develop the techniques of critical thinking in a historical context;
• Develop critical awareness of a range of historical dimensions;
• Develop the ability to communicate historical arguments and conclusions clearly and succinctly.

ASSESSMENT PROCEDURES

A Level assessment is by final written examination and coursework (Non-examined Assessment).

COURSE CONTENT AND SKILLS REQUIRED

Pupils are now required to study a 200 year period that is 40% British history, and contains opportunities to study change over short and long periods of time through breadth and depth studies. The three different schools in the Joint Sixth Form. We all follow the AQA specification which offers a range of interesting and engaging historical topics for study.

VISITS & TRIPS

The History departments of all three schools aim to enliven the A Level course with relevant trips and lectures. Sometimes visits abroad are relevant, for example the residential trip to Auschwitz. When possible, students will also have the opportunity to participate in lectures and seminars run by leading historians and university lecturers.

CAREER OPPORTUNITIES

History is recognised as an invaluable A Level subject by both universities and employers. It can open many doors to a wide variety of career opportunities ranging from law to media, from business to education, from politics to police work.

COURSE ENTRY REQUIREMENTS

The minimum entry requirements for level 3 academic study apply. In addition, applicants require at least a Grade 6 in English. It is not necessary to have studied History at GCSE to take this subject at A Level but a Grade 6 in English is expected.

A Level Law

COURSE CONTENT

All students will have 5 hours a week study culminating in exams at the end of Year 13. These exams will cover the following areas:

The Legal System and Criminal Law: Candidates will study the civil and criminal court system, the legal professions and access to justice. This paper also provides an introduction to criminal liability through the study of offences against the person such as murder and offences against the person such as theft.

Law Making and the Law of Tort: Candidates will study law making methods and their underpinning concepts. The paper also provides an introduction to civil liability and allows candidates to focus on the rules of tort, liability in negligence and civil remedies available.

Further Law: This component, which will be studied in Year 13, will provide a robust assessment of how candidates are faring and the areas that they need to focus on in Year 13.

SKILLS REQUIRED

It will be imperative that you are a keen independent learner and are able to write coherent arguments and essays. There is a lot to learn over the two years but it is extremely rewarding, especially as it provides the core foundation for an understanding of criminal and civil law.

ASSESSMENT

Even though external assessment through a number of exam papers will only be at the end of Year 13, there will be formal, internal exams at the end of Year 12 which will provide a robust assessment of how candidates are faring and the areas that they need to focus on in Year 13.

CAREER OPPORTUNITIES

A Level Law offers a fantastic grounding for studying Law at Degree level. If you are interested in a career in the police or legal professions, then the course provides opportunities to gain a real insight into what those professions are like and the qualifications you need to excel in them.

COURSE ENTRY REQUIREMENTS

The minimum entry requirements for level 3 academic study apply. In addition, applicants will be required to have achieved at least Grade 6 in English. You are recommended to have at least one essay based option at GCSE e.g. History. The course is an excellent accompaniment to History, Politics, Economics and Business but also offers creative students a balance to their courses too.
A Level Philosophy, Ethics and Religion

Have you ever wondered...
Is it selfish to want to be happy?
Do we exist after our bodies die?
How do we know what is right?
How did the universe begin?
What sort of God, if any, exists?

These important questions and many other related ones will be explored and used to challenge your thinking and evaluative skills.

This course is intellectually demanding, exciting and a challenge. You get the chance to assess the ideas of the most influential thinkers and movements of the past 2,500 years.

Expect few hard and fast answers, but to have your critical faculties vigorously exercised.

Religious Studies is an A level really worth considering and makes an excellent combination with science, humanities and arts subjects. If you would like to sharpen your critical thinking, develop your analysis and evaluative skills and tease your brain, this course is for you.

COURSE CONTENT
All students follow the AQA Religious Studies (Philosophy of Religion, Ethics, Religion and Dialogues) course which is assessed by two 3 hour written exams for each component. They will cover the following 2 units:

Philosophy of Religion and Ethics:
Arguments for the existence of God; Evil and Suffering; Religious Experience; Religious language; miracles and the self, death and the afterlife.

The ethical theories of Natural Moral Law; Situation and Virtue Ethics; Issues of human and animal life and death (embryo research; cloning; abortion; euthanasia; capital punishment; the status and rights of animals; blood sports). Meta Ethics; Free will; conscience and a comparison of the views of Bentham and Kant.

Study of Religion and dialogues:
Sources of wisdom and authority; God/gods/ultimate reality; self, death and the afterlife; Good conduct and key moral principles; expression of religious identity; religion and gender, sexuality, science, secularisation and religious pluralism. This paper also includes a consideration of the dialogues between philosophy of religion, ethics and religion.

Connections:
Throughout the course students will be encouraged to develop their understanding of the connections between the two units.

OPPORTUNITIES
This subject would be particularly useful to anyone wishing to study medicine, law or enter the paramedical, law enforcement or teaching professions.

Many Higher Education institutions look favourably upon this course due to the transferable thinking and reasoning skills which are developed, however, it is extremely useful if studying Criminology or Sociology.

It is also useful in the following professions:
Management:
• Leisure and Travel
• Marketing and Public Relations
• Broadcasting and Journalism
• Personnel

Publishing:
• Banking and Accountancy
• Computing
• Civil Service
• International and Local Government.

In fact the subject complements a wide range of subject combinations; not only in arts, humanities and social science, but also the sciences.

So where does Philosophy and Ethics get you in the end?
It is hoped that anyone who studies philosophy, ethics and religion will arrive at a better understanding of the subjects, whatever their reactions to them. Equally important they will have a better understanding of themselves and their world, in whatever direction this may lead them.

ENTRY REQUIREMENT
The minimum entry requirements for level 3 academic study apply. A grade 6 in English is also required.

For further information visit: www.aqa.org.uk
A Level Sociology

Sociology is the study of the development, structure and functioning of human society, including the study of social problems.

Sociology requires open minds, critical thinkers, good organisation skills, and independent learners. The subject is constantly updating and as well as looking at 19th century sociologists, we also analyse up to date studies and current affairs, as well as students conducting their own research in topic 2.

Assessment is by three external examinations at the end of Year 13.

COURSE CONTENT

1. Families and Households
   This module includes studying the relationship of the family to social structure and social change; changing patterns of marriage, cohabitation, separation, divorce and the life course; gender roles; changing status of childhood; and demographic trends since 1900.

2. Education with Research Methods
   This module includes studying explanations of the role and purpose of education; sociological explanations of differential educational achievements of social groups by class, gender, and ethnicity; relationships and processes in schools such as subcultures and the hidden curriculum; educational policies; and sociological research methods.

3. Beliefs in Society
   This module includes studying different theories of religion, sociological explanations of the purpose and role of religion, religious organisations, religions and social groups, and the debate of secularisation.

4. Crime and Deviance with Research Methods and Theory
   This module includes studying theories of crime and deviance; explanations of the social distribution of crime and deviance trends; contemporary issues in the sociology of crime such as effects of globalisation and the mass media; sociological views of the criminal justice system, and the study of research methods and theory.

Private Study: Students are expected to do much work outside of the classroom, ranging from writing essays, to note taking, or research. They are asked to do the following:
- Write up and expand on notes made in class
- Prepare and write essays
- Read around the subjects/topics being studied
- Use the library, for access to a wider range of material

Careers: A qualification in Sociology can lead to a number of careers, such as teaching, law, journalism, business, politics, public relations, social work, nursing, media work and science. Due to the fact that sociology is accepted as both an arts subject and a science subject, it has the advantage of being flexible in the work place.

Entry Requirements: The minimum entry requirements for level 3 academic study apply. In addition, applicants will need to have achieved at least Grade 6 in English.

For further information please visit www.aqa.org.uk/subjects/sociology
A Level Computer Science

AIMS OF THE COURSE
This course aims to encourage students to develop:
• the capacity to think creatively, innovatively, analytically, logically and critically;
• an understanding of the organisation of computer systems, including software, hardware, data communications and people;
• the ability to apply skills, knowledge and understanding of computing, including coding in Python, SQL and JavaScript, in a range of contexts to solve problems;
• skills in project and time management;
• the capacity to see relationships between different aspects of the subject and perceive their field of study in a broader perspective;
• an understanding of the consequences of using computers, including social, legal, ethical and other issues;
• an awareness of emerging technologies and an appreciation of their potential impact on society.

COURSE CONTENT
• Characteristics of contemporary processors
• Software and software development
• Programming
• Exchanging data
• Data types, structures and algorithms
• Legal, moral and ethical issues
• The principles of computational thinking
• Problem solving and programming
• Algorithms to solve problems and standard algorithms
• Computing Project covering:
  • Analysis
  • Design
  • Development of code
  • Evaluation

A LEVEL ASSESSMENT (OCR H446)
Unit 1: Computer systems
40% of the A Level
2hr30min written exam

Unit 2: Algorithms and Programming
40% of the A Level
2hr30min written paper

Unit 3: Programming Project
20% of the A Level
Coursework

CAREER OPPORTUNITIES
In today’s workplace, those with knowledge and skills in computing have the opportunity to pursue new and exciting careers and to be instrumental in the conception of computer systems that increasingly shape work and leisure activities.

It is envisaged that students will utilise the skills and knowledge of computing in one of three ways. Firstly, to provide a general understanding of the use of computer technology and systems, which will inform their decisions and support their participation in an increasingly technologically dependent society. Secondly, to provide the necessary skills and knowledge to seek employment in areas that utilise computing, where they may develop their skills and knowledge further through practical experience and training. Thirdly, students may choose to continue to develop their knowledge and understanding of computing through entry to higher education, where this qualification will provide a useful foundation for further study of computing or more specialist aspects of computing.

PRIOR LEARNING
Students will have been assessed in IT skills at Key Stage 3 and many will have followed a course in IT and Key Stage 4. Whilst not assuming the full knowledge and understanding of the subject at Key Stage 4, this course assumes that all students will have a basic understanding and knowledge of both the hardware and software of a standard, stand-alone computer system.

COURSE ENTRY REQUIREMENTS
The minimum entry requirements for level 3 academic study apply. In addition, applicants will need to have achieved at least Grade 6 in Maths.
CTEC Level 3 Digital Media Single and Double award

AIMS OF THE COURSE
This qualification is designed for learners who want to study digital media concepts and production development. It allows them to specialise in either digital content for interactive media or moving image and audio production. Learners will develop specialist knowledge, skills and understanding in their chosen area, to prepare them for employment in the digital media sector.

There are two courses available: a single award called the Extended Certificate which is equivalent to one A Level and a double award called the Diploma which is equivalent to two A Levels.

ASSESSMENT
These qualifications are assessed by:
• External examinations - two for single award three for double.
• Internal assessment, where the subject teachers assess the learners work and OCR externally moderate it, organised at a time by the teacher. Learners will know their assessed grade within two days of the moderation visit.

THE COURSE CONTENT
There are a wide range of units. Some are mandatory and some are optional that the Academy selects. See the table below for units that are studied.

PRIOR LEARNING
Students will have developed and been assessed in IT Digital Media skills at Key Stage 3 and many will have followed the Level 2 course in Digital Media at Key Stage 4. Whilst not assuming the full knowledge and understanding of the subject at Key Stage 4, this course assumes that all students will have a basic understanding and knowledge of a range of media products, audiences, pre-production and planning techniques and the range of hardware and software required to create a media product. An initial assessment will make sure learners are capable of reaching the required standards of the qualification they intend to work towards.

CAREER / HIGHER EDUCATION OPPORTUNITIES
Learners will develop specialist knowledge, skills and understanding in their chosen area, to prepare them for employment in the digital media sector in job roles such as digital layout artists, assistant animators, production runners or freelance crew or for a media-related apprenticeship. It could also provide a route to a higher education media-related programme such as Digital Media, Media Production, Media and Communications, Journalism and Media, Digital Marketing.

ENTRY REQUIREMENTS
The minimum entry requirements for level 3 applied study apply.

<table>
<thead>
<tr>
<th>Single</th>
<th>Double</th>
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<tr>
<td>Extended Certificate 360 GLH</td>
<td>Diploma 720 GLH</td>
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<th>Year 12</th>
<th>Year 13</th>
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<tr>
<td>Unit 1</td>
<td>Unit 2 Pre-production and planning (Exam)</td>
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<tr>
<td>Unit 21</td>
<td>Unit 16 The creation and use of sound in media</td>
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<td>Unit 3</td>
<td>Unit 24 Cross-Media industry awareness</td>
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<td>Unit 4</td>
<td>Unit 7 Journalism and the news industry</td>
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<tr>
<td>Unit 6</td>
<td>Unit 10 Create a digital animation</td>
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| Unit 9   | Unit 7 Journalism and the news industry |
| Unit 13  | Unit 10 Create a digital animation |
| Unit 19  | Unit 11 Create a digital animation |
| Unit 23  | Unit 8 Photography for digital media products |
| Unit 1   | Unit 4 Interactive media product |
| Unit 21  | Unit 6 Social Media and Globalisation (Exam) |
| Unit 3   | Unit 5 Social Media and Globalisation (Exam) |

| Unit 4   | Unit 6 Social Media and Globalisation (Exam) |
| Unit 6   | Unit 10 Create a digital animation |

28.
A Level English Language

AIMS OF THE COURSE:
The A level in English Language encourages learners to develop their interest and enjoyment of English as they develop and apply their understanding of the concepts and methods appropriate for the analysis and study of language; explore data and examples of language in use; engage creatively and critically with a varied programme for the study of English; develop their skills as producers and interpreters of language and independently investigate language in use. The course is designed to foster learners’ independence as they explore English language in a variety of contexts. It provides learners with opportunities to develop a wide and deep knowledge of the systems of the English language and of issues relating to language and its uses. Throughout this course, learners are presented with opportunities to develop their own creativity, both in the ways they think about language and in the ways they develop expertise in using language to communicate in different ways.

COURSE CONTENT:
At A-level there is a focus on linguistic analysis of the spoken and written word. Students are required to learn and apply terminology in the analysis of a variety of texts, both fiction and non-fiction. They will consider the creation and production of texts and will have an opportunity to create and analyse their own writing. Later on in the course, students examine specific issues in language and its relation to power, gender, situation and child language acquisition. They will also study how language changes over time and will learn how to analyse texts from different historical periods. Students will study language of the 21st Century and the impact that technology has on our language. There is a coursework element, for which students will conduct and produce an investigation into an area of language use of their own choosing.

SKILLS REQUIRED:
Students must enjoy reading and be prepared to read a range of fiction and non-fiction texts. They must have strong analytical skills and enjoy class discussion. The ability to undertake independent study outside of the classroom is a prerequisite to success. Fluent written expression is also crucial.

ASSESSMENT PROCEDURES:
At A-level, English Language is mainly assessed by examination (three in total), alongside a language investigation coursework component in the second year.

CAREER OPPORTUNITIES:
The range of skills developed in the study of English Language are highly valued by employers, colleges and universities alike. English Language is one of the preferred subject choices for Oxbridge arts/humanities courses. Success in English is essential for entry to virtually all careers; specific careers that employ English skills include law, journalism, teaching and management consultancy.

ENTRY REQUIREMENT:
The minimum entry requirements for level 3 academic study apply. In addition, applicants will require at least a Grade 5 and 6 in their English GCSEs.

For further information, please see: www.qualifications.pearson.com/en/home.html

A Level English Literature

AIMS OF THE COURSE:
A-level English Literature aims to equip students with higher level analytical and evaluative skills to discuss and write on a variety of fiction texts. Students will be introduced to key texts in the literary canon.

COURSE CONTENT:
Students read and study an exciting wide range of prose, poetry and plays with a focus on genre and narrative methods. There truly is something for everyone. They study both pre- and post-1900 texts including a Shakespearean tragedy. Texts are studied in relation to their social, historical and cultural contexts and a variety of different interpretations are considered during lessons.

Throughout the course there is a focus on close analysis of the language and structure of texts. There is emphasis on sophisticated essay writing skills and written expression.

SKILLS REQUIRED:
Students must enjoy reading and be prepared to re-read the set texts a number of times. They must have strong analytical skills and enjoy class discussion. The ability to undertake independent study outside of the classroom is a prerequisite to success. Fluent written expression is also crucial.

ASSESSMENT PROCEDURES:
At A-level, English Literature is mainly assessed by examination, alongside a small coursework component in the second year.

CAREER OPPORTUNITIES:
We are part of an increasingly competitive global economy and so the range of skills developed in the study of English are highly valued by employers, colleges and universities alike. English Literature is one of the preferred subject choices for Oxbridge arts/humanities courses. Success in English is essential for entry to virtually all careers; specific careers that employ English skills include law, journalism, teaching and management consultancy.

ENTRY REQUIREMENT:
The minimum entry requirements for level 3 academic study apply. In addition, applicants will require at least a Grade 5 and 6 in their English GCSEs.

For further information, please see: www.qualifications.pearson.com/en/home.html
This AQA course combines the study of both language and literature.

This A Level is an accessible and stimulating course in which you will engage creatively and independently with a variety of spoken, written and multi-modal texts.

This specification offers exciting opportunities for students to develop their subject expertise by engaging critically and creatively with a wide range of texts. Using linguistic and literary concepts and methods, candidates analyze literary and non-literary texts in a range of modes and genres, in the process gaining insights into the nature of different discourses and ideas about creativity. Candidates develop skills as producers and interpreters of language by creating texts themselves and critically reflecting on their own processes of production. These skills are invaluable for both further study and future employment.

SUBJECT CONTENT:
• Remembered places
• Imagined worlds
• Poetic voices
• Writing about society
• Critical commentary
• Dramatic encounters
• Making connections

ASSESSMENTS:
Paper 1: Telling Stories
Exam: 3 hours
Weighting: 40% of A Level

Paper 2: Exploring Conflict
Exam: 2 hours 30 minutes
Weighting: 40% of A Level

Non-Exam Assessment: Making Connections
Assessed by teachers and moderated by AQA
Weighting: 20% of A Level

ENTRY REQUIREMENT
The minimum entry requirements for level 3 academic study apply. In addition, applicants will require at least a Grade 5 and 6 in their English GCSEs.
Aims of the course

The course offers learners the opportunity to develop a thorough and in-depth understanding of the key issues of media, using a comprehensive theoretical framework to facilitate analysis and debate. The study of a wide range of rich and stimulating media products is central to the course, offering opportunities for detailed analysis of how the media communicate meanings in a variety of forms. The aim is that students will engage with the dynamic relationships between media products, media industries, and audiences. Students are encouraged to develop their awareness of emerging and evolving media. They are also encouraged to explore and pursue their own interests.

The media play a central role in contemporary culture, society, and politics, shaping our perceptions of the world through the representations, ideas, and points of view they offer. The media have real relevance and importance in our lives today, providing us with ways to communicate and participate in key aspects of society. The media industries employ large numbers of people, and the course aims to equip students with enhanced knowledge and understanding of contemporary media products.

Course content

Component 1: Media Products, Industries, and Audiences

Learners study media language and representation in relation to examples of media products from the following forms:

- music video and video games
- advertising and film marketing
- newspapers and radio news/current affairs programmes.

Students will also develop the ability to use and reflect critically upon relevant theoretical approaches and theories.

Component 2: Media Forms and Products in Depth

In this component, learners build on the knowledge and understanding developed in Component 1. Learners study media language, representation, audiences, and media industries in relation to:

- television
- magazines
- blogs and websites.

Learners will explore and compare how relevant social, cultural, and industry contexts influence the set products.

Component 3: Cross-Media Production

(Non-exam assessment) Learners create an individual cross-media production in two different forms in response to a choice of briefs set by WJEC. The forms that learners can work in include television, magazines, film marketing, music marketing, and online options.

Assessment procedures

Component 1: Media Products, Industries, and Audiences: Music Video and Video Games; Advertising and Film Marketing; Newspapers and Radio News.

Written examination 2 hours (30% of qualification)

Component 2: Media Forms and Products in Depth: Television; Magazines; Blogs and Websites.

Written examination 3 hours (40% of qualification)

Component 3: Cross Media Production:

Production work will be across two media platforms from a choice of print, audio-visual, or functioning on-line material.

Internal assessment (30% of qualification)

Method of assessment

Students will be assessed throughout the course using a combination of essays, internal examinations, and practical tasks in line with the weighting of the specification.

Progression and career opportunities

The emphasis of the WJEC syllabus is upon the development of independent analytical and critical thinking skills which makes it particularly appropriate and relevant to candidates wanting to pursue Media Studies at higher academic levels.

The course aims to provide a wide range of media competencies relevant to more specialised academic and vocational courses. In addition, knowledge of the media is increasingly valued and is becoming an important aspect of work in most institutions in an information society. Studying the media will equip students with an understanding of the relationship between consumers and producers which is therefore relevant to candidates entering employment across a wide range of industries and professions.

Entry requirements

The minimum entry requirements for level 3 applied study apply. In addition, a Grade 5 in English is required. Students with a Grade 4 who demonstrate good literacy skills through the transition pack and initial assessment will also be considered.
A Level Mathematics

Aims of the Course
- To strengthen and extend existing knowledge and understanding of mathematics from GCSE as well as introduce and explore a variety of new concepts.
- To explore the various applications of mathematics and to be able to apply existing and new skills to modelled situations.
- To encourage students to be able to interpret a problem and be able to analyse these mathematically constructing a mathematical argument.

Pre-Requisites
Pupils wishing to study maths at A level should have a real love for the subject along with a strong work ethic. A potential student should be a strong mathematician that is capable of interpreting a problem and choosing an appropriate method to be able to work through to a solution. A potential student should also be able to formally structure a mathematical argument using equations and correct mathematical notation consistently and accurately.

Course Content
The A level course is broken down into three key areas:
- Pure Mathematics
- Mechanics
- Statistics

As an introduction of some difficult. You will receive 2 A levels in maths: A Level Mathematics and A Level Further Mathematics.

Assessment
You will be assessed internally throughout the course to check that you are on track. The course is formally assessed through three examination papers that will be sat at the end of year 13. These examination papers will look at the three strands mentioned above however “Pure Mathematics” will count for 66.7% of your final grade with “Mechanics” and “Statistics” being equally weighted to make the remaining 33.3%.

Career Opportunities
Employers and Universities both value an A level in mathematics. Even if you do not wish to study Mathematics at University it is referred to as a "facilitating subject" and will be welcomed on the majority of courses.

Entry Requirements
The minimum entry requirements for level 3 academic study apply. In addition, a Grade 6 in GCSE Mathematics is required, however Grade 7+ is highly recommended.

A Level in Further Mathematics

Aims of the Course
In addition to the aims of the A Level Mathematics course, we also aim to give students wishing to study a very maths rich course at university an excellent foundation in the subject and to look at some of the topics that may appear at undergraduate level.

Pre-Requisites
Pupils wishing to study Further Maths at A level should have a real passion for the subject along with a strong work ethic. A potential student should be a very strong mathematician and be resilient in the face of increasingly complex subject matter. A potential student should naturally structure a mathematical argument using equations and correct mathematical notation consistently and accurately. The student should be aware that even if they found GCSE easy and are a capable mathematician they will be looking at concepts that will challenge them significantly, they will make mistakes and must not give up when the topics are difficult. You will receive 2 A levels in maths: A Level Mathematics and A Level Further Mathematics.

Course Content
The A level course is structured similarly to A Level Mathematics - Further Pure Mathematics, Further Mechanics and Further Statistics as well as the introduction of some “Discrete Mathematics”.

Further Mathematics
- Further Pure Mathematics
- Further Statistics

Further Statistics
In Further Statistics students explore in greater detail the content of A Level Mathematics but also extend their skills into new areas such as regression and Chi squared tests.

Further Mechanics
In Further Mechanics students develop further their understanding of kinematics, dynamics and statics from A Level Mathematics whilst also learning new topics such as impulse, momentum, work, energy and power.

Discrete/Decision Mathematics
Decision/Discrete Mathematics is a branch of mathematics which looks at modelling real life situations using graph theory and algorithms. Topics such as linear programming, route inspection and critical path analysis are explored in detail.

Assessment
You will be assessed internally throughout the course to check that you are on track. The course is formally assessed through three examination papers that will be sat at the end of year 13.

Career Opportunities
Employers and Universities both value an A level in Further Mathematics. This could potentially make your first year at undergraduate easier as you will have some prior knowledge of some concepts that will be covered.

Entry Requirements
The minimum entry requirements for level 3 academic study apply. In addition, a Grade 7+ in GCSE Mathematics is required.
A Level French, Spanish & German

AIMS OF THE COURSE
This course has been designed to give you a profound understanding of your chosen language. Not only will you study the mechanics of the language in more detail, its grammar and vocabulary, but you will also learn about how people live and actively use language.

COURSE CONTENT AND SKILLS REQUIRED
You will:
• Develop and build on skills acquired at GCSE.
• Achieve a sound basis for future study.
• Gain an insight into another culture and society.

In the first year you will study two main themes which are “Social issues and trends” and “Artistic culture”. Within these main themes you will look at several sub-themes, including “Youth culture”, “The digital world” and “Festivals and traditions”. These topics will build on what you have studied at GCSE and will cover a wide range of interesting and engaging issues. The common thread amongst these is discovering how people speak at a personal level and what their individual views are.

You will also study one text or one film from a prescribed list. In the second year, you will continue to study the theme of “Social issues and trends”, focussing this time on areas such as immigration and racism. You will also study the theme of “Political and artistic culture”, concentrating specifically on aspects of political life in the country of the language that you are studying. In addition, you will study either one text and one film or two texts, again from a prescribed list. Finally, there is an Individual Research Project which you undertake under the guidance of your teacher. As well as having time in lessons with your subject teachers, time is spent with a language assistant to develop your speaking skills further.

We follow the AQA A Level specifications in all 3 languages.

ASSESSMENT PROCEDURES
The assessment for A level is in three parts. Firstly, there is a 2.5 hour listening, reading and writing examination, making up 50% of the marks. There is a writing examination, which is two hours in length and accounts for 20% of the marks. The third part of the examination is a speaking test which lasts 16-18 minutes and is also worth 30% of the total marks.

CAREER OPPORTUNITIES
In our ever expanding global economy, language skills are increasingly sought after by prospective employers in a range of spheres, from Medicine to Banking, from Politics to Information Technology. The ability to communicate effectively in a language other than your mother tongue will undoubtedly broaden your chosen career path and boost your earning potential.

ENTRY REQUIREMENTS
The minimum entry requirements for level 3 academic study apply. We also ask that you have studied the language you want to study at GCSE and have gained at least a grade ‘6’.

A Level Drama & Theatre

AIMS OF THE COURSE
By following the Edexcel syllabus of this course you will gain a deeper understanding of how theatre works and you will have opportunities to be a performer, a designer and an active audience member. In all of these areas you will gain skills and understanding that will prove to be valuable and rewarding in the future.

COURSE CONTENT AND SKILLS REQUIRED
Whatever your previous experience, being an A Level Drama and Theatre student will be thought provoking, challenging and exciting. Much of your time will be spent working practically with others. A lot of your enjoyment and achievement relies on your commitment to working as a member of a team. Regular attendance and punctuality are important.

You will also need to work as an individual in researching material and putting your knowledge and understanding down on paper. You must be prepared to work independently, whether seeing theatre performances, carrying out research, learning lines, acquiring props or rehearsing for performance.

ASSESSMENT
A Level Drama & Theatre will be assessed through a combination of a 40% written exam and 60% internal assessment.

You will be required to demonstrate a practical understanding of two complete performance texts and at least three key extracts from three other texts. You must study the work and methodologies of two theatre practitioners at A2.

You will be required to participate in a minimum of two performances, one which is devised and one from a studied text.

CAREER OPPORTUNITIES
Students who have completed Drama and Theatre may move onto a variety of university courses or specialist performance schools. There are also career opportunities in all areas of the arts in addition to performance or teaching.

ENTRY REQUIREMENTS
The minimum entry requirements for level 3 academic study apply. Additionally you should have a Grade 5 or above in English and you will be required to take part in an audition.
A Level Music Edexcel

A Level Music is essential for those who wish to study Music further at University, Conservatoire, or on other Higher Education courses. It is equally useful for non-specialists who want to take a challenging and interesting A Level course. It is a highly regarded A Level as employers recognise the many disciplines, the creativity and the talents that this qualification represents.

Qualifications in Music can lead to a variety of careers that do not just include teaching and performing. Students who gain qualifications in Music can go on to work in sound recording and technology, the media, composing, law, finance, events management, the armed forces and many more.

SKILLS
Music A Level focuses on the skills of performing, composing, listening and understanding. Students develop their skills as performers either as soloists or in ensembles. They will learn about harmony and various composition techniques, composing their own music. Students also develop their aural and analytical skills through studying a variety of pieces of music from 1600 to the present day.

COURSE CONTENT AND ASSESSMENT
- Unit 1: Performing: Students will need to record a recital of at least 8 minutes.
- Unit 2: Composing: Students need to submit two compositions, one free composition and one based on a technical study.
- Unit 3: Musical Understanding: There are 6 Areas of Study: Vocal Music, Instrumental Music, Music for Film, Popular Music and Jazz, Fusions, and New Directions. Students study works by 18 composers (3 from each area of study) to prepare for the final exam. Students will have to answer essay questions on these set works and also answer listening questions based on these works and other related works.

Unit 3 is assessed through an end of year exam. The performing unit is internally assessed and then moderated by an external examiner. The composing unit is externally moderated.

ENTRY REQUIREMENTS
You should have Grade 6 or above at GCSE Music or at least a Merit at Level 2 BTEC Music. It is essential that those wishing to take the A Level Music course should be committed to learning a musical instrument. You should be able to play a musical instrument or sing at Grade 5 Level (although the actual Grade 5 qualification is not required). A good understanding of music theory and being able to read music notation is vital. If you have not taken GCSE Music or BTEC Music but have Grade 5 (Practical or Theory) then you may be considered for this course.

Level 3 Music BTEC

Single Option: Subsidiary Diploma
Double Option: Diploma

AIMS OF THE COURSE
The BTEC Level 3 Music courses are enjoyable, creative courses for students who wish to pursue a career or interest in music. The course aims to provide a practical understanding of the skills and knowledge needed for a career in the music industry. Lessons will be focused around practical performance work while developing understanding of related music theory and performance techniques.

COURSE CONTENT AND SKILLS REQUIRED
The qualification includes a number of core and optional units.
- Working and Developing as a Musical Ensemble
- Solo Music Performance
- Live Music Workshop
- Pop Music in Practice

The course includes a large amount of practical ensemble work meaning that effective communication skills and an ability to work productively as part of a group is essential. It is also necessary to be able to work independently and have good organisational skills.

ASSESSMENT
All units will be completed through a combination of practical and written work. Coursework is assessed internally, then externally moderated.

CAREER OPPORTUNITIES
Students who have completed BTEC Level 3 in Music may move onto a variety of university courses or specialist music schools. There are also career opportunities in other areas of the arts in addition to Performance or teaching.

ENTRY REQUIREMENTS
The minimum entry requirements for level 3 applied study apply.

In order to choose Level 3 BTEC in Music as an option you should have a strong interest in Music and enjoy performing as an individual and as part of a group. You should also be interested in learning music theory in order to enhance your performance and composition skills.

You should have a grade 5 or above in GCSE Music or distinction in Unit 5: Introducing Music Performance of the Level 1/2 BTEC First in Music. You should also be able to play an instrument or sing at grade five standard (although the actual grade five qualification is not required). If you have not taken GCSE or BTEC Music but have completed grade four theory, you may be considered for the course.
Full Time Level 3 Performing Arts & Music

We welcome students who would like to follow a full time course within the realms of Performance.

AIMS OF THE COURSE

It is possible to study completely within the Performing Arts and Music Departments at St George’s Academy. By following a mixture of double and single BTEC courses in Performing Arts and Music, you are able to create a full-time programme of study. Whether you are an actor, dancer or musician, the units will address the needs of the modern performing arts industry meaning that you will have the opportunity to develop the right skills for your chosen career.

ASSESSMENT

Assessment is through a mixture of written and practical work. Some of your work will be externally assessed by your teachers and some of your work will be assessed internally.

CAREER OPPORTUNITIES

Students who complete this course may move on to a variety of university courses or specialist performing schools. This course will also provide students with the necessary skills for a career in the Performing and Creative industry.

ENTRY REQUIREMENTS

Much of your time will be spent working practically with others. A lot of your enjoyment and achievement depends on your commitment to working as a member of a team. Excellent attendance and punctuality is essential. This course is ideal for all forms of performer; actor, dancer, singer, musician, as we will tailor the units to suit your individual skills. You should be able to demonstrate an attitude and commitment to performance through an appropriate course studied at Key Stage 4 or through substantial extra-curricular commitment, such as playing an instrument. You will need to have met the entry requirements as detailed under BTEC Music and BTEC Performing Arts.

A Level Biology

Aims of the course are to encourage you, the candidate, to develop:

• An enthusiasm for Biology
• Practical skills alongside understanding of concepts and principles
• An appropriate and relevant foundation of knowledge and skills for the study of Biology in Higher Education.

Are you considering a career in Chemistry, Biochemistry, Pharmacology, Pharmacy, Medicine, Dentistry or Veterinary Medicine or Veterinary Science?

If the answer is yes then you should be considering studying Biology.

COURSE CONTENT

This course has been designed to inspire students, nurture a passion for Biology and lay the groundwork for further study in courses like Biological Sciences and Medicine.

A Level Biology lasts two years, with exams at the end of the second year. The table below shows the topics you will study in each year:

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

ASSESSMENT

Whilst there is no coursework, practical work is assessed through the examinations at the end of the year. There are 12 required practicals to be completed for the A Level.

These practicals will give you the skills and confidence needed to investigate the way living things behave and work. It will also ensure that if you choose to study a Biology based subject at university, you’ll have the practical skills needed to carry out successful experiments in your degree.

There are three exams at the end of the two years for A Level, all of which are two hours long. At least 15% of the marks for A Level Biology are based on what you learned in your practicals.

CAREER OPPORTUNITIES

As a subject on its own an A Level in Biology shows that you have a high level of scientific skill and understanding. Taken with other sciences, Biology A Level opens up many careers including Pharmaceutical industries; Pharmacy; Biochemistry; Medicine and related medical careers; Laboratory Technician; Environmental Scientist.

COURSE ENTRY REQUIREMENTS

The minimum entry requirements for academic level 3 study apply.

In addition:

- All students must have Grade 6+ in Maths owing to the considerable mathematical content of the new A Levels.
- It is strongly recommended also that students have attained Grade 7 or better in GCSE science subjects.

The minimum entry requirements for Double Award Students are Grades 6 and 7 in Science. The minimum entry requirements for Triple Award students are Grade 6 in Biology plus Grade 6 in one other science and performance in the exam components may be taken into account, given the 100% examined nature of the A Level.
Aims of the course are to encourage you, the candidate, to develop:

• An enthusiasm for Chemistry
• Gain hands-on practical skills and data analysis skills
• Appreciate how science works and its relevance beyond the laboratory
• Demonstrate a synoptic understanding
• Study Chemistry in a contemporary context
• An appropriate and relevant level of knowledge and skills for study at H.E. level.

Are you considering a career in Chemistry, Chemical engineering, Biochemistry, Pharmacology, Pharmacy, Medicine, Dentistry or Veterinary Medicine or Veterinary Science?

If the answer is yes then you should be considering studying Chemistry.

COURSE CONTENT - (AQA 7405)

In year 12 candidates are given a solid grounding in the fundamentals of Chemistry. The specification introduces the chemical reactivity of atoms and their compounds and provides an understanding of structure and bonding. Chemical calculations include the study of amounts of substance. Physical chemistry topics cover energy changes and rates of reactions. The development and use of the periodic table is explained and organic chemical reaction mechanisms are introduced.

In year 13 the specification further develops the concepts of chemistry introduced in year 12. Candidates study physical chemistry topics of kinetics, equilibria, thermodynamics and electrochemistry. Organic chemistry is extended to include spectroscopic techniques that determine molecular formulae and structures of organic compounds. The study of the periodic table continues, including the chemistry of transition elements.

PRACTICAL SKILLS
Chemistry is fundamentally an experimental subject. The course provides numerous opportunities to use practical experience linking theory to reality and equipping students with essential skills.

Practical skills are assessed continuously throughout the course through 12 compulsory activities leading to a ‘practical endorsement’. There is no coursework component.

ASSESSMENT
All assessment is undertaken at the end of Year 13 as follows, apart from practical skills which are assessed continuously:

Paper I: Inorganic & Physical Chemistry (2 hours, 105 marks, 35% of A Level)
Paper II: Organic & Physical Chemistry (2 hours, 105 marks 35% of A Level)
Paper III: Synoptic Paper (2 hours, 90 marks, 30% of A Level)

CAREER OPPORTUNITIES
As a subject on its own, A Level in Chemistry shows that you have a high level of scientific skill, numeracy and understanding. Taken with other sciences, Chemistry A Level opens up many careers including Pharmaceutical Industries; Pharmacy; Biochemistry; Medicine and related medical careers; Laboratory Technician; Environmental Scientist, Forensic Scientist, Chemical engineer; Materials Engineer; Oil and Petroleum Chemistry.

COURSE ENTRY REQUIREMENTS
The minimum entry requirements for academic level 3 study apply.

In addition:
All students must have Grade 6+ in Maths owing to the considerable mathematical content of the new A Levels.

It is strongly recommended also that students have attained Grade 7 or better in GCSE science subjects.

The minimum entry requirements for Double Award Students are Grades 6 and 7 in Science. The minimum entry requirements for Triple Award students are Grade 6 in Chemistry plus a Grade 6 in one other science and performance in the exam components may be taken into account, given the 100% examined nature of the A Level.

You will be required to complete independent study throughout the course.

For more information please see: www.aqa.org.uk
A Level Physics

Pupils are entered for the EDEXCEL Physics A Level.

COURSE STRUCTURE:

A Level
Advanced Physics 1: Examined at the end of the Year 13 (30% of the final grade)
Mechanics
Electric Circuits
Further Mechanics
Electric and Magnetic Fields
Nuclear and Particle Physics
Advanced Physics 2: Examined at the end of the Year 13 (30% of the final grade)
Materials
Waves and the Nature of Light
Thermodynamics
Nuclear Radiation
Oscillations
Space
Gravitational Fields

General and Practical Principles in Physics: Examined at the end of the Year 13 (40% of the final grade)
This question paper draws on any part of the course and will contain questions which assess understanding of experimental methods and analytical techniques, including the core practicals.

Science Practical Endorsement
Pupils will also work towards the practical endorsements in lessons completing 16 set practical activities over the 2 years. This will lead to a Pass or Fail of the endorsement. This element is completely separate to the A Level and no marks from this contribute towards the final A Level grade.

COURSE ENTRY REQUIREMENTS
Physics is traditionally seen as one of the most difficult A Level subjects. The jump from GCSE is significant.

Pupils making a success of the course need to be able to work independently and to have a high level of mathematical ability. It is highly recommended that students also take A Level Mathematics as the progression from A Level Physics into Higher Education Physics Courses will require it.

The minimum entry requirements for academic level 3 study apply.

In addition,
All students must have Grade 6+ in Maths owing to the considerable mathematical content of the new A Levels. It is strongly recommended also that students have attained Grade 7 or better in GCSE science subjects. The minimum entry requirements for Double Award Students are Grades 6 and 7 in Science. The minimum entry requirements for Triple Award students are Grade 6 in Physics plus Grade 6 in one other science and performance in the exam components may be taken into account, given the 100% examined nature of the A Level.

You will be required to complete independent study throughout the course.


BTEC Level 3 Diploma in Applied Science

The BTEC Level 3 Diploma is broadly equivalent to two A Levels. The course is designed for learners who want to continue their education through applied learning and who aim to progress to higher education, and ultimately to employment in the applied science sector. It is intended as part of a two-year programme, normally alongside a further Level 3 qualification. It may also offer apprenticeship or direct employment opportunities.

COURSE CONTENT
The Qualification consists of six mandatory units:
• Unit 1: Principles and Application of Science I
• Unit 2: Practical Scientific Procedures and Techniques
• Unit 3: Science Investigation Skills
• Unit 4: Laboratory Techniques and their application
• Unit 5: Principles and Applications of Science II
• Unit 6: Investigative Project

Learners will also study two optional units:
• Unit 8: Physiology of Human Body Systems
• Unit 21: Medical Physics Applications

CAREER OPPORTUNITIES
This qualification is primarily designed to support progression to applied science and related employment after further study at university. However, it also supports learners progressing directly to employment, as the transferable knowledge, understanding and skills will give learners an advantage when applying for a range of entry level industry training programmes and/or Higher Apprenticeships in areas such as laboratory technician, industrial technician, medical technician.

ASSESSMENT
Mandatory units: 1 Principles and Application of Science I, Unit 3: Science Investigation Skills and Unit 5: Principles and Applications of Science II are either externally set written examinations or written task/ experimental assessments. Mandatory units 2, 4, 6, and the designated two optional units are portfolio based assessments.

ENTRY REQUIREMENTS
The minimum entry requirements for level 3 applied study apply. In addition, Grade 4 or above in GCSE Science (single or combined) or Merit in Level 2 BTEC Applied Science study and Grade 4 in Mathematics is required.

BTEC Level 3 Extended Certificate in Applied Science

The BTEC Level 3 Extended Certificate is broadly equivalent to one A Level. The course is designed for learners who are interested in learning about the science sector alongside other fields of study, with a view to progressing to a wide range of higher education courses, not necessarily in applied science. It may also offer apprenticeship or direct employment opportunities. This course serves to be taken as part of a programme of study that includes other appropriate BTEC Nationals or A Levels.

COURSE CONTENT
The Qualification consists of three mandatory units:
• Unit 1: Principles and Applications of Science I
• Unit 2: Practical Scientific Procedures and Techniques
• Unit 3: Science Investigation Skills

Learners will also study the optional unit:
• Unit 8: Physiology of Human Body Systems

CAREER OPPORTUNITIES
The requirements of the qualification will mean that learners develop the transferable and higher order skills which are valued by higher education providers and employers. For example, when studying Unit 3: Science Investigation Skills, learners will develop skills including how to plan investigations, collecting, analysing, and presenting data and communicating results which support some of the skills learners need to progress to higher education, employment, self-employment or training.

ASSESSMENT
Mandatory units: 1 Principles and Applications of Science I and Unit 3: Science Investigation Skills are either externally set written examinations or written task assessments. Mandatory units 2, 4, 6, and the designated two optional units are portfolio based assessments.

ENTRY REQUIREMENTS
The minimum entry requirements for level 3 applied study apply. In addition, Grade 4 or above in GCSE Science (single or combined) or Merit in Level 2 BTEC Applied Science study and Grade 4 in Mathematics is required.
AIMS OF THE COURSE
This course builds on the student’s experience from Key Stage 4 and GCSE to enhance their knowledge and increase their understanding of the factors that affect performance and participation in physical education.

The qualification looks to equip the students with skills and knowledge required for higher education and the world of work.

COURSE CONTENT AND SKILLS REQUIRED
The specification offers students the opportunity to experience and develop an interest in a variety of roles in sport such as performer and coach.

The content of the course will address current contemporary topics such as the impact of the use of ergogenic aids and technology and the increased commercialisation of sport. The specification also covers a variety of topics within the broad categories of sport psychology, physiology and biomechanics.

Prior experience of coaching would offer a distinct advantage to students, as would an ability to play at least one sport to a high standard.

ASSESSMENT PROCEDURES
Students will sit two written exams and will also be assessed as a performer or coach in a practical activity.

Paper 1: Factors affecting participation in physical activity and sport
- 35% of A Level
- 2 hour written examination
- 105 marks
- Section A: Applied anatomy and physiology
- Section B: Skill acquisition
- Section C: Sport and society
- Each section is worth 35 marks and includes multiple choice, short answer and extended writing questions.

Paper 2: Factors affecting participation in physical activity and sport
- 35% of A Level
- 2 hour written examination
- 105 marks
- Section A: Exercise physiology and biomechanics
- Section B: Sport psychology
- Section C: Sport and society and technology in sport
- Each section is worth 35 marks and includes multiple choice, short answer and extended writing questions.

Non-exam assessment: Practical performance in physical activity and sport
- 30% of A Level
- Internal assessment, external moderation
- 90 marks
- Students are assessed as a performer or coach in the full sided version of an activity from the approved list.
- Students will also be required to produce a written/verbal analysis of performance.

CAREER OPPORTUNITIES
The course is perfect for anybody wishing to pursue a career in the sport or leisure industry and also provides a knowledge base for anybody wishing to study a sport-related degree at university.

COURSE ENTRY REQUIREMENTS
In addition to the minimum entry requirements for level 3 academic study, students are required to have a grade 6 in GCSE PE or a Merit in BTEC Sport. Please note that due to the high theory weighting at A Level, it is strongly recommended that students have achieved at least a grade 6 in the theory element of their GCSE and are not over-reliant on their strong practical skills supporting their overall grade 6.

For further information visit: www.aqa.org.uk
A Level Design and Technology: Product Design

A Level Design & Technology: Product Design is delivered at the Robert Carr Trust and also St George’s Academy. At the Robert Carr Trust there will be the opportunity to follow a Resistant Materials focus and at St George’s Academy the focus will be on Conceptual Design and Graphics. The course principles, structure and assessment methods are the same.

ASSESSMENT
The course is divided into two components:
1. Principles of Design and Technology
2. Independent Design and Make Project.

Component 1: Principles of Design and Technology
Written examination: 2 hours 30 minutes
50% of the qualification
Students will be assessed under exam conditions at the end of the course in the following areas:
- Topic 1: Materials
- Topic 2: Performance characteristics of materials
- Topic 3: Processes and techniques
- Topic 4: Digital technologies
- Topic 5: Factors influencing the development of products
- Topic 6: Effects of technological developments
- Topic 7: Potential hazards and risk assessment
- Topic 8: Features of manufacturing industries
- Topic 9: Designing for maintenance and the cleaner environment
- Topic 10: Current legislation
- Topic 11: Information handling, Modelling and forward planning
- Topic 12: Further processes and techniques.

Component 2: Independent Design and Make Project
Non-examined Assessment (NEA)
50% of the qualification
Students will be assessed under exam conditions at the end of the course in the following areas:
- 4 - Working safely in sport, exercise, health and leisure - 60 GLH
- 5 - Performance analysis in sport and Exercise - 60 GLH
- 6 - Organising a sports event - 60 GLH
- 11 - Physical Activity for Specific Groups - 30 GLH
- 13 - Health and Fitness Testing for Sport and Exercise - 60 GLH
- 19 - Sport and exercise psychology - 60 GLH

CAREERS
A qualification in Design and Technology: Product Design can lead to a number of careers in Ergonomics, Engineering, Automotive Engineering, Mining, Teaching, Architecture all aspects of Design and Manufacture and many more. Due to the fact that Design and Technology has a crossover of Art, Mathematics and Science as a subject, it has the advantage of being flexible in the work place and students are also seen as flexible and able to multi task.

ENTRY REQUIREMENTS
The minimum entry requirements for level 3 applied study apply. Previous successful study of Design & Technology is also required as demonstrable by grade 6 in GCSE Graphics, Product Design or Resistant Materials.
ASSESSMENT
The course is divided into three components:
1. Principles Examination, 26.7%
2. Problem Solving in Design Engineering, 23.3%
3. Iterative Design Project, 50%

COMPONENT 1: PRINCIPLES OF DESIGN ENGINEERING EXAMINATION
Written Examination: 1 hour 30 minutes

The exam requires students to:
• Analyse existing products.
• Demonstrate their technical knowledge of materials, product functionality, manufacturing processes and techniques.
• Demonstrate their understanding of wider social, moral and environmental issues that impact on the design and manufacturing industries.

COMPONENT 2: PROBLEM SOLVING IN DESIGN ENGINEERING
Written Paper: 1 hour 45 minutes

The exam requires students to:
• apply their knowledge, understanding and skills of designing and manufacturing prototypes and products.
• demonstrate their higher thinking skills to solve problems and evaluate situations and suitability of design solutions.

COMPONENT 3: ITERATIVE DESIGN PROJECT (NON-EXAMINED ASSESSMENT, NEA)
The Iterative Design Project undertaken by students will have a significant focus on the functional requirements and/or system of a product. This substantial project will have a mechanical or electronic bias and will focus on a functional rather than aesthetic outcome.

Students will identify an opportunity or problem from a context of their choice and create a portfolio of evidence leading to an outcome. Students will undertake the Iterative Design Project independently and will progress through the following principles:
• AO1 - Explore: Identify, investigate and outline design possibilities to address needs and wants.
• AO2 - Create: Design and make prototypes that are fit for purpose.
• AO3 - Evaluate: Analyse and evaluate.

LESSONS
A variety of skills are required to undertake the Iterative Design Project. In order to best prepare students for this, a variety of approaches will be used so that students feel competent in all aspects of Design and Technology. Skills developed will include:
• Component and circuit functionality
• Circuit construction techniques
• Graphical communication techniques
• 3D and 2D CAD (Solidworks and 2D Design)
• Circuit design software (Circuit Wizard)
• Competent use of hand tools and machinery
• Analysis of products
• An understanding of how school processes can be used to produce “one-offs”

INDEPENDENT STUDY TIME
Design and Technology: Engineering Design students are likely to use their free time to:
• Conduct wider reading around the subject to develop their wider awareness of Design and Technology.
• Discuss the progress of their Iterative Design Project with teachers to maximise work produced during lesson time.
• Use specialist software to become more adept in the use of 3D CAD, 2D CAD and Circuit wizard.

OCR: A-Level Design and Technology: Engineering Design

ENTRY REQUIREMENTS
The minimum entry requirements for level 3 academic study apply. In addition a Grade 6 in GCSE Mathematics would be an advantage. It would also be advantageous for students to have studied Design and Technology.
If you are a student who enjoys the practical side of textiles, then you will be pleased to know that we are looking to offer a vocational and more practical alternative to the A Level course. This course offers a much more ‘hands on’ approach and includes practical tasks relating to decorative and constructive textiles and garment-making. Alongside this, students will undertake research and investigations to gain a detailed and thorough insight into the fashion industry. This will involve students covering 6 units which, over the course of the two years, will result in the award of a L3 qualification equivalent to one ‘A’ level. There is no written examination. Students can also study textiles alongside both Art and Photography to gain either a double or a triple award.

ENTRY REQUIREMENTS
The minimum entry requirements for level 3 applied study apply. In addition, students must have achieved at least a grade 4 or Merit at level 2 in a creative subject.

FOR FURTHER INFORMATION:
www.aqa.org.uk
NVQ/SVQ CAA Diploma
Level 2 Bricklaying

AIMS OF THE COURSE
The CAA Bricklaying one-year course is a detailed and thorough course, designed to compete with an apprenticeship. As well as thorough and detailed practical assignments in terms of bricklaying, the course also covers all aspects of modern domestic building. Students not only learn all practical aspects, but the theory explains the whole building process from start to finish, integrating other trades, materials use and specification, programming, estimating, health and safety procedures and the reasoning behind each part of a structure, its use, positioning and respective properties and relevance to the build.

The qualification comprises:
• general core units
• occupation specific units
• synoptic practical assignment
• multiple choice unit end tests
• online testing of knowledge

COURSE CONTENT
This course consists of seven compulsory units, three of which are theory and four are practical but contain theory elements.

The units are as follows:
L1Core01: safe working practices in construction
L2Core04: knowledge or information, quantities and communicating with others
L2Core05: knowledge of building methods and construction technology
L2Occ69: how to interpret working drawings and set out masonry structures
L2Occ70: how to carry out masonry cladding
L2Occ72: how to build solid walling, isolated and attached piers
L2Occ73: how to build cavity walling to masonry structures

SKILLS REQUIRED
Learners must have a thirst for knowledge, be independent enquirers, creative thinkers, reflective learners, team workers and be able to self manage their time. They will need a good work ethic. Students will require a reasonable level of dexterity, with an eye for detail, and be able to process and prioritise information.

ASSESSMENT PROCEDURES
Students will be assessed throughout the course with Tutor marked assignments and tasks. Completed course work is subject to both internal and external assessment.

CAREER OPPORTUNITIES
After completing this course, the students will have acquired the necessary knowledge and practical skills to work to a high standard in any aspect of the building industry.

COURSE ENTRY REQUIREMENTS
As this course is very popular, students are required to apply early to ensure consideration onto this course. All applicants will be required to complete an aptitude test and on successful completion they will be awarded a place on a first come first served basis.

PROGRESSION: APPRENTICESHIPS OR LEVEL 3 STUDY
Following the successful completion of the one year course, students are able to progress onto an apprenticeship through St George’s Academy or enrol onto our Level 3 Diploma course entitled Construction and the Built Environment.
NCFE CACHE Level 2 Diploma for the Early Years Practitioner

**AIMS OF THE COURSE**
The new Diploma for the Early Years Practitioner provides learners with the knowledge and understanding of babies and young children from birth to 5 years. The qualification meets the Department of Education's (DfE) level 2 full and relevant criteria for the level 2 Early Years Practitioner in the workforce.

**COURSE CONTENT**
Level 2 students study the new Level 2 Diploma for the Early Years Practitioner, which meets the new government standards for level 2 childcare workers. The course includes mandatory work experience which involves practical work placement assessments, completed by the department's qualified assessors, whilst working with children from birth to 5 years old. Practical assessments are linked to the mandatory 14 units which form part of the overall qualification. All work in internally assessed by the Early Years department’s qualified assessors and students must complete and achieve all criteria within the 14 units to gain the Level 2 Diploma.

**SKILLS REQUIRED**
Students are required to have a love of working with children in what is a busy and exciting environment. The ability to communicate and interact with both children and adults is a must as communication forms a large part of the assessed skills. Being able to work within a team and using your own initiative are also key practical requirements. The qualification is course work based so requires students to meet deadlines set by the department throughout each term and involves the need to evidence criteria using developed and extended writing skills.

**CAREER OPPORTUNITIES**
Upon successful completion of the Level 2 Diploma for the Early Years Practitioner learners can enter the workforce as a qualified level 2 practitioner or continue to study the Level 3 Technical Diploma in Childcare and Education.

NCFE CACHE Technical Diploma in Childcare and Education will train students to the highest standards and will provide the licence to practice and the status of being an Early Years Educator leading directly into employment or Higher Education. We have a proven track record of success in both employment and University places for our students.

**ENTRY REQUIREMENTS**
There are no formal entry requirements however enthusiasm and commitment to work with young children is important, as is the ability to interact and communicate with adults and children over a range of ages. Students will be required to complete a Disclosure and Barring Service enhanced check as part of the placement practice requirements.

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NCFE CACHE Level 3 Technical Diploma in Childcare and Education (Early Years Educator)

**AIMS OF THE COURSE**
This level 3 qualification prepares learners to become Early Years Educators, enabling them to work with children from birth to 5 years and gain knowledge of children aged 5-7 years.

**COURSE CONTENT**
The course runs over 2 years and incorporates mandatory work experience, with year 1 based around working in a nursery setting with children from birth to 5 years and year 2 based at primary school within reception class and year 1. There are 14 units completed over the 2 years, one of which is a portfolio on placement practice which requires direct observation in a working environment. Regular assessments are carried out during each term to assess skills and performance as per qualification requirements. Class based assessment support underpinning knowledge through course work with deadlines set each term. Knowledge and understanding is also checked through 2 mandatory externally marked controlled assessments, one in the first year and one in the second year.

**SKILLS REQUIRED**
Students are required to have a love of working with children in what is a busy and exciting environment. They will need to have a strong work ethic and the ability to work both independently and as part of a team. Students are required to communicate and interact with children, also to plan and implement age appropriate activities to support the Early Years curriculum and work as part of the setting team.

**CAREER OPPORTUNITIES**
On completion of the qualification students can enter the Early Years workforce or access Higher Education. Many students progress onto a Degree in Primary Education, Early Childhood Studies or a Foundation Degree in Early Years, however there are many other Higher Education or employment options available.

**ENTRY REQUIREMENTS**
Minimum entry requirements for level 3 applied study are required for the Level 3 Technical Diploma. Students will be required to complete a Disclosure and Barring Service enhanced check as part of the placement practice requirements.
BTEC Level 3 Diploma in Hospitality (with Catering)

AIMS OF THE COURSE
This level three course is a two-year course designed for those students who have an interest in the hospitality and catering industry, having studied hospitality, catering or a related food subject at level two and may wish to progress onto a higher level of study or to move into the Hospitality and Catering industry.

COURSE CONTENT
The course focuses on the skills and knowledge required by supervisors and managers in the hospitality industry. Practical cooking skills are studied on this course as well as study of the hospitality industry. The sector-specific studies will focus around the Level 3 BTEC Subsidiary Diploma in Hospitality (equivalent to one A Level) and, if demand is sufficient, they can also study for the level 3 BTEC Diploma in Hospitality (equivalent to two A Levels).

SKILLS REQUIRED
Good interpersonal skills and an interest in the hospitality and catering industry are essential. The majority of this course is assessed through coursework and practical assessment, but there will be some examined content. Although practical ability is vital, the ability to write coherently and undertake research will be equally important.

CAREER OPPORTUNITIES
Upon completion of this course, students could progress to further study at university or apply for an Apprenticeship in this area with an employer to continue a work based learning programme. Students may also wish to apply for a junior position in a catering or hospitality business.

COURSE ENTRY REQUIREMENTS
The minimum entry requirements for level 3 applied study apply. In addition, students must have studied a related food, catering or hospitality course at level two and have a keen interest in cooking and the hospitality industry. The ability to work with others, research and present work with creativity, as well as having good communication skills is also very important.
The Level 2 Diploma in Site Carpentry is a one-year course designed to develop the skills and knowledge of people, enabling them to work in the industry in their chosen craft. It has been specifically developed for delivery in a training environment using simulated conditions, and the test(s) are based on the learner showing what they can do as an individual through the completion of all the requirements of the qualification.

The Qualification comprises:
- general core units
- occupation specific units
- synoptic practical assignment
- multiple choice unit end tests
- online testing of knowledge.

All the units of training must be completed by each learner. All outcomes must be achieved during the training programme. To gain the diploma, learners must achieve all units, the synoptic practical assignment and multiple choice unit tests. They must also pass the Evolve online test. Another important feature of the qualification is that it provides a progression route towards achieving a National Vocational Qualification (NVQ).

### COURSE CONTENT

This course consists of 8 compulsory units separated into knowledge and skills.

The units are as follows:

- **L1Core01:** safe working practices in construction
- **L2Core04:** knowledge or information, quantities and communicating with others
- **L2Core05:** knowledge of building methods and construction technology
- **L10cc11:** first fix skills and knowledge
- **L20cc36:** second fix skills and knowledge
- **L20cc37:** erect structural work skills and knowledge
- **L20cc38:** maintenance skills and knowledge
- **L20cc39:** circular saws (fixed and transportable) skills

### PROGRESSION: APPRENTICESHIPS OR LEVEL 3 STUDY

Following the successful completion of the one year course, students are able to progress onto an apprenticeship through St George’s Academy or enrol onto our Level 3 Diploma course entitled Construction and the Built Environment.
BTEC Level 2 First Diploma in Public Services

This is a one year course for those interested in the Public Services and the work that they undertake. The BTEC First Diploma gives you a qualification equivalent to 4 GCSEs at Grade 4+. BTEC First Diplomas are valued by employers and Further Education establishments.

COURSE AIM
The aim of the course is to enable each student to make an informed judgement on their personal suitability for a career within any of the public services. The course provides a detailed insight into the work undertaken by a wide range of public services and the different career opportunities that are available to you. It is specifically designed to give you the skills and knowledge which will help you apply for Public Service work and succeed in your chosen career.

During the course you will examine a range of uniformed and non-uniformed public services. You will learn about the various levels of fitness required to join a public service and take part in practical leadership training. You will also study various subjects to enhance the contribution you can make to your future employment and can, for example, take entry tests with a number of public services.

Visits are a regular part of the course and include work experience with the Armed Forces. First Diploma educational visits are normally to locations in the UK.

COURSE STRUCTURE
The First Diploma in Uniformed Public Services is a Level 2 course that comprises of 3 core units and 3 specialist units.

Core Units:
- Public Service Employment
- Public Service Skills
- Public Service Fitness

Additional Units include:
- Adventurous Activities and Teamwork for the Public Services
- Law and its impact on the individual
- Land Navigation by map and compass
- Crime and its effects on society
- Expedition Skills
- Community and Cultural Awareness
- Driving and its relationship to the Public Services

There are no examinations and your work will be undertaken by written assignments and practical assessment.

WHERE COULD IT LEAD?
Students could go into careers such as the Emergency Services, the Armed Forces, HM Prison Service or other Public Services. Students who gain a Distinction and gain GCSE grade 4+ in Maths and/or English will be able to progress to study the 2 year BTEC Level 3 Extended Diploma in Public Services.

COURSE ETHOS AND VALUES
Being a Public Servant demands dedication, determination and courage. This course is both physically and intellectually demanding. A great deal of emphasis is placed on your own personal standards and moral values and you should be aware that the course will really stretch and challenge you.

Based at St George's Academy, Skefford Campus, our Public Service Students take a full and active role in both Academy life and the local community. If you join this course you will be required to take part in ALL aspects of the curriculum, which includes mandatory trips, visits and community based projects.

This course is not for everyone, but if you’ve got what it takes and can face up to the challenge, it could be just what you are looking for.

Level 3 BTEC Diploma and Extended Diploma Public Services

AIM OF THE COURSE
Both the BTEC Level 3 Diploma and Extended Diploma in Public Services are designed to equip learners with the knowledge, understanding and skills required for a successful career in any of the uniformed or non-uniformed Public Services.

Public Services are at the very heart of our community, and those who pursue a career within one of the public services will be fulfilling a vital role in society. The BTEC Level 3 Diploma and Extended Diploma in Public Services has a very practical emphasis. On completion, learners will have taken an important first step onto the ladder of a well-structured and rewarding career with one of the largest employment sectors in the country.

COURSE CONTENT
The BTEC Level 3 Diploma and Extended Diploma courses are completed over 2 years. The Diploma (equivalent to two A Levels) enables students to undertake other qualifications alongside. The Extended Diploma (equivalent to three A Levels) is a full time course.

ASSESSMENT PROCEDURES
All the units are assessed by course work. Assessment methods could include essays, projects, presentations and attendance at practical events such as residential experiences and other activities. Our students also use training opportunities provided by the emergency services and armed forces.

CAREER OPPORTUNITIES
You may wish to use the qualification and UCAS points to gain entry into a university. Students who go to university do not necessarily need to study a public service related degree. Others may use the qualification in order to enter specialist areas of employment, obtain a commission in the Armed Services or seek direct employment in the public service sector.

COURSE ENTRY REQUIREMENTS
The minimum entry requirements for level 3 applied study apply. Students should also have achieved at least Grade 4 in maths.
IMI AWARDs

IMI Level 2 Diploma in Light Vehicle Maintenance and Repair Principles (VRQ)

IMI Awards is the leading awarding organisation to the retail motor industry. We offer an unrivalled range of motor industry qualifications that demonstrate skills and competence, the foundation of a successful career.

KNOWLEDGE QUALIFICATIONS (VRQs/PRINCIPLES)

These are nationally-recognised, vocationally-related qualifications (VRQs) which provide the essential knowledge to do a job.

Many Level 2/3 VRQs are an essential component of the Sector Skills Council’s Apprenticeship framework. This qualification is intended as a Substantial Vocational Qualification at Level 2 and has been developed for schools and colleges to deliver to learners aged in the 16-19 age group, either on a full or part-time basis. This qualification is for learners who have a keen interest in the light vehicle maintenance and repair industry and are looking to progress into employment within this industry.

There are no formal entry requirements for this qualification and learners are not expected to have any prior knowledge or experience, however an interest in the subject area is advisable. The content level of this qualification would be similar to the study required for GCSE grades A*- C.

WHAT DOES THIS QUALIFICATION COVER?

The content of this qualification has been designed to develop the learners understanding of the light vehicle maintenance and repair industry alongside the development of wider transferable skills.

The mandatory units cover essential knowledge and skills such as health & safety supporting job roles and materials, fabrication, tools and measuring devices. These mandatory units develop the transferable skills required to work within a number of job roles within the retail motor industry.

The mandatory specialist units focus on specific technical knowledge and practical skills the learner will require to work in the light vehicle maintenance and repair industry including routine light vehicle maintenance, the removal and replacement of light vehicle engine systems and components, light vehicle electrical systems and components, light vehicle chassis units and components and light vehicle transmission systems and components.

WHAT COULD THIS QUALIFICATION LEAD TO?

This qualification helps provide entry into employment within the retail motor industry as a light vehicle service technician and also onto an apprenticeship in light vehicle maintenance and repair (as a recognised knowledge qualification within the IMI Maintenance and Repair Apprenticeship Framework).

This qualification also provides a high level of underpinning knowledge and skills which may allow progression onto some higher level qualifications in automotive and engineering related subjects, such as the IMI Level 3 Diploma in Light Vehicle Maintenance and Repair Principles.

• G0102 Health, Safety and Good Housekeeping in the Automotive Environment
• G02 Job roles in the Automotive Environment
• G04 Materials, Fabrication, Tools and Measuring Devices used in the Automotive Environment
• LV01 Routine Light Vehicle Maintenance
• LV02 Light Vehicle Engine Mechanical, Lubrication and Cooling System Units and Components
• LV02.2 Light Vehicle Fuel, Ignition, Air and Exhaust System Units and Components
• LV03 Removing and Replacing Light Vehicle Electrical Units and Components
• LV04 Removing and Replacing Light Vehicle Chassis Units and Components
• LV0506 Inspecting Light Vehicles Using Prescribed Methods

OVERVIEW

This course is designed for those students who enter Sixth Form needing a year to prepare them for Level 3 study or employment. The tailored programme has been developed to ensure that the knowledge, skills and understanding they provide are relevant, current and useful for both learners and potential employers. Students have the opportunity to achieve a nationally recognised Level 2 qualification. On completion students may wish to progress to a related general and/or vocational qualifications, or enter employment in a particular vocational sector.

COURSE CONTENT

The key component necessary to make the most of this opportunity is the desire to become a confident team contributor in the world of work. There may also be additional enrichment opportunities to acquire desirable qualifications such as First Aid certification and Basic Food Hygiene Awards.

The programme includes a range of subjects and areas, such as:

• Managing Your Own Money
• Managing Transition into Work
• Learning from More Experienced People
• Developing Resilience for Work
• Solving Work-related Problems
• Practising Leadership Skills with Others
• Presenting a Professional Image
• Qualities and Transferable Skills for Work
• Self-management Skills

ASSESSMENT

Skills will be assessed via coursework and observation.

ENTRY REQUIREMENTS

There are no formal entry requirements other than a real desire to develop as an effective young adult who has the skills to succeed.

• Developing your CV
• Applying for Jobs and Preparing for the Recruitment Process
• Preparing for and Learning from Work Placement

Employability and Personal Skills