Sixth Form Courses
September 2019 Start

Advanced Levels and
BTEC Extended Certificates
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A Message from the Headteacher

Dear Student

Thank you for taking the time to read our Sixth Form prospectus. We are very proud to be able to offer an extensive range of Level 3 courses alongside our Extended Learning programmes. With such a wide range of A Level and BTEC extended certificate courses available, you will be able to select the combination that best suits your interests, abilities and career aspirations.

Barton Court Grammar School has a tradition of offering an outstanding curriculum, excellent teaching and learning and top results at Advanced Level. You will be joining one of the best Sixth Forms in the country. The school is frequently ranked as one of the highest performing school in the Canterbury district and the UK as a whole with an exceptional track record of examination success at Post-16 level. Barton Court Grammar School was rated by Ofsted in March 2014 as an Outstanding School which of course, includes our Sixth Form.

From 2018 onwards we have been pleased to offer new BTEC Extended Certificate courses, responding to feedback from employers that courses such as Business, Sport, Heath and Social Care and Applied Science are best studied with a more vocational route, rather than an academic examination focused approach. We are the only Canterbury grammar school offering this vocational option, alongside academic excellence in A Level provision.

At Barton Court Grammar School we encourage all our students to be independent learners, to contribute to the life of the School and its wider community. We are also committed to nurturing global citizenship, emphasising an education without borders.

We are committed to the “Thinking Schools” approach and we have put thinking at the heart of our learning and teaching because we believe confident, thoughtful, life-long learners will not only be successful in their studies at Barton Court but will have the key skills required to be successful in the world of work and in life. We believe yours is an exciting future: together we can work towards achieving your goals.

Mr I Macaulay
Headteacher
Academic and Vocational Options

Advanced Levels

A Levels remain the most widely recognised British Level 3 qualification. With the right combination of subjects chosen and the required grades, there is no limit to the university courses that an A Level student can access. In addition, A Levels are valued for access to degree and higher level apprenticeship courses.

A levels are linear, 2 year qualifications the majority of which are assessed mainly through public examinations at the end of the two year course. There is comparatively little coursework or controlled assessments in the reformed linear A Level courses.

BTEC Extended Certificates

BTECs are career-based qualifications designed to give students the skills they need to move on to higher education or go straight into employment.

When combined with academic learning in a school or college (or as a stand-alone course in further or higher education), a BTEC develops a range of practical knowledge and skills which help learners to prepare for, and progress in, their chosen career.

After 30 years of proven success, more and more employers and Higher Education institutions across the globe are choosing BTEC qualified candidates for their practical knowledge and employability skills. BTECs are assessed through a combination of tutor marked assignments and external assessments, which are set and marked by the examination board.

The course outlines, which you will find in the BTEC section of this booklet, will provide more information on how each course is assessed. If you have any questions generally about BTEC, please see Miss Parker, BTEC coordinator.
The Extended Learning Programme enables students to tailor their learning within the Sixth Form around their talents and own areas of interest, specifically aimed towards individual personal development. Universities and employers are now looking for students who take on additional programmes of study outside the main curriculum offer; thereby enhancing their CV and personal profile.

A popular choice is the **Extended Project Qualification**. Details of this course are given below. The EPQ is one of the components required for the **AQA Baccalaureate** and all students following an A Level programme at Barton Court are strongly encouraged to complete the EPQ.

### The AQA Baccalaureate

This is known as the AQA BACC and celebrates the achievements of well-rounded Post-16 students. The AQA BACC comprises the following elements, which together demonstrate that students have achieved success in terms of A levels and wider learning and enriched activities.

- **Depth and Breadth** of study is represented by 4 GCE A Levels
- **Independent Learning** is demonstrated through the completion of the Extended Project Qualification.
- Students achieve **personal development** through **enrichment activities** which include community work and work experience.

This overarching qualification is graded at Pass, Merit and Distinction, dependent on attainment in A Level qualifications and recognises the wider involvement of students during their time within the Sixth Form.

### The Extended Project Qualification (EPQ)

The Extended Project Qualification is a course worth the same as an AS level, as the time allocation is one year or 120 guided learning hours. It has been designed to encourage independent research, analysis, communication and presentation skills. This qualification is of particular interest to Higher Education Institutions as it has been designed to prepare students for the skills needed in degree programmes. There is no formal examination. The EPQ is designed to allow an area of enquiry selected by individual students to be followed and the results of that enquiry presented in a suitable format. Much of the work is carried out independently supported by approximately 40 hours of tutorial support.

Students may choose to take the Extended Project Qualification as an extension from an existing area of study linked to another qualification at Level 3; for example, a current A Level subject. Alternatively, the EPQ, may explore an area of personal interest or an activity outside the main programme of study, possibly linked to careers, community work or enterprise. Students interested in sciences or engineering may wish to follow a line of enquiry in that area. Performing Art students may wish to develop an area of performance that will extend their knowledge beyond the existing curriculum framework. Creative Art or Design students may wish to produce an artefact or practical outcome that will extend their knowledge and understanding. A formal presentation of the resulting outcome will be made to a third party. A reflective log is kept throughout the whole process.
The course involves extended independent work by the student supported by a mentor and supervising tutor. Students will be expected to produce the following for assessment:

**A completed Production Log including the Project Proposal Form**
The Production Log will document the planning and progress of the project, including decision-making and reflections on the process.

**A written report** – must be submitted for assessment of between 1000 and 5000 words. The exact length of each written report will depend on the nature of the project, the subject area or topic chosen and the other evidence provided. A project which consists solely of written work should be approximately 5000 words. For example, an investigation, exploration of a hypothesis or extended essay or academic report. Projects where the majority of the evidence is provided in other formats should include a report or record of work undertaken which is at least 1000 words.

**Evidence** can be provided in any form appropriate to the type of project chosen, and may include:
- An artefact, model or construction
- A CD/video/DVD of performances or activities
- An audiotape/multimedia presentation
- A journal of activities or events
- A PowerPoint presentation
- A photographic record of the project

**A Presentation** – The presentation should be for a non-specialist audience and use media appropriate to the type of project. The presentation could take the form of a verbal or written presentation or may involve the use of flipcharts, posters, OHP transparencies, PowerPoint or short excerpts of video material.
The curriculum design in the Barton Court Grammar School Sixth Form allows for flexibility, ensuring every student has the opportunity to study courses for which they will be well suited academically and able to achieve their aspirations. The summary below shows the range of course combinations that are available for students and the next pages of the booklet give full details of each of the individual courses available.

<table>
<thead>
<tr>
<th>Pathway</th>
<th>Academic</th>
<th>Vocational</th>
<th>Enrichment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>4 Advanced Levels</td>
<td></td>
<td>EPQ, Enrichment Hours, AQA Bacc</td>
</tr>
<tr>
<td>2</td>
<td>4 Advanced Levels</td>
<td></td>
<td>EPQ</td>
</tr>
<tr>
<td>3</td>
<td>4 Advanced Levels</td>
<td></td>
<td></td>
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<tr>
<td>4</td>
<td>3 Advanced levels</td>
<td></td>
<td>EPQ</td>
</tr>
<tr>
<td>5</td>
<td>3 Advanced levels</td>
<td>1 BTEC</td>
<td>(EPQ)</td>
</tr>
<tr>
<td>6</td>
<td>2 Advanced levels</td>
<td>2 BTEC Extended Certificates</td>
<td>(EPQ)</td>
</tr>
<tr>
<td>7</td>
<td>2 Advanced levels</td>
<td>2 BTEC Extended Certificates</td>
<td>(EPQ)</td>
</tr>
<tr>
<td>8</td>
<td>1 A level</td>
<td>2 BTEC Extended Certificates</td>
<td>(EPQ)</td>
</tr>
<tr>
<td>9</td>
<td></td>
<td>3 BTEC Extended Certificates</td>
<td>(EPQ)</td>
</tr>
</tbody>
</table>

**Note:** EPQ may be taken as an optional extra in pathways 5 to 9.
Sixth Form Entry Requirements

All students need to meet all of the following criteria to gain a place in Year 12:

**Entrance Criteria**

To study 3 BTEC courses:
- at least five grade 4s at GCSE including English and Mathematics
- and at least three grade 5’s at GCSE

To study 2 BTEC courses with 1 level:
- at least five grade 4s at GCSE including English and Mathematics
- and at least two grade 6’s at GCSE

To study 1 BTEC course with 2 A Levels:
- at least six grade 4s at GCSE including English and Mathematics
- and at least three grade 6’s at GCSE.

To study 3 A Levels:
- at least eight grade 4s at GCSEs including English and Mathematics
- and at least four grade 6’s at GCSE

**Note:**
- Individual subjects sometimes have specific entry requirements – please see specific subject pages.
- A grade 7 is required in Mathematics GCSE in order to study A Level Mathematics
- A grade 8 is required in Mathematics GCSE in order to study Further Mathematics A Level.
- A grade 7 is required in a language GCSE in order to study that language at A Level
- We accept BTEC Level 2 grades with a Merit being equivalent to a GCSE grade 5

These requirements are based on a professional assessment of the standard of prior attainment needed to be successful (a) in the academic curriculum pathway and (b) in subject specific elements of the vocational pathway.
A Level Art, Craft and Design

Examining board: AQA

Entry requirements
Art: GCSE Art at Grade 6 or BTEC level 2 Art Distinction.

Links with other subjects and careers?
Following on from Foundation and Degree Courses in a wide variety of disciplines, students can embark on careers in: architecture, fashion design, history of art, art conservation, art therapy, web design, interior design, teaching, photography, furniture making, community arts, graphic design, etc.

Art, Craft and Design A Level
Art, Craft and Design is a broad-based course exploring practical and contextual work through a range of 2D and 3D processes and media associated with a wide variety of disciplines, offering something for everyone. The specification directly supports progression to further and higher education in Art and Design and related subjects, as well as providing all students with a platform to inspire a lifelong interest in, and enjoyment of, Art and Design. So if you are a GCSE art student wanting to take your passion to the next level, we can help by bringing you new and exciting techniques and opportunities. You will explore the use of drawing for different purposes, using a variety of methods and media on a variety of scales. Why not try printmaking, sculpture, life drawing, digital photography, textiles or alternative media? How about developing your drawing and painting to a higher standard? We can offer you an exhilarating yet supportive environment to unleash your creative potential.

Areas of study
Students must show evidence of working in areas of study drawn from two or more of the endorsed titles listed below.

- Fine Art
- Graphic Communication
- Textile Design
- Three Dimensional Design
- Photography

Component 1: Personal investigation
This is a practical investigation supported by written material. Students are required to conduct a personal investigation, into an idea, issue, concept or theme, supported by written material. The focus of the investigation must be identified independently by the student and must lead to a finished outcome or a series of related finished outcomes.

Component 2: Externally Set assignment
The Externally Set Assignment represents the culmination of the A Level course. The question paper will consist of a choice of eight questions to be used as starting points. Preparatory period – from 1 February. Students should consider the starting points and select one. Following the preparatory period, students must complete 15 hours of unaided, supervised time. In the 15 hours students must produce a finished outcome or series of related finished outcomes, informed by their preparatory work.

Assessment:
Component 1– Personal investigation counting for 60% of the total A Level marks
Component 2– Externally set assignment counting for 40% of the total A Level marks

Where can I find out more? Speak to Mr Turner, Lead Teacher of Art, or click on www.aqa.org.uk

Please note: you cannot study A level Art, Craft and Design alongside A level Photography.
Examining board: AQA Biology 7402

Entry requirements
GCSE Biology at grade 6 or Combined Science at grade 7

Links with other subjects and careers?
Students who have studied at Barton Court in the past have gone on to study Medicine, Dentistry, Biology, Natural Sciences, Nursing, Pharmacy, Marine Biology, Ecology and the increasingly popular Biosciences degrees, where you choose your modules as your interest in the subject develops over the years of the degree course.

Course content:
Biology is the study of living organisms, both how they function, how they interact and the effect they have on the biosphere. We are fortunate at Barton Court in having teachers who are experienced in the teaching of A Level and in particular in the teaching of zoology, ecology and molecular biology.

The course is wide ranging and great emphasis is placed on how science works in biology and the practical applications of biology to the wider world.

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

Assessment:
Unit 1: Written 2hr exam on units 1-4 35% of the A Level
Unit 2: Written 2hr exam on units 5-8 35% of the A Level
Unit 3: Written 2hr exam on practical aspects of units 1-8 and a synoptic essay 30% of the A Level

There is no practical exam or coursework. There are 12 required key practicals, which are taught over the 2 years and which are examined in paper 3.

Where can I find out more?
Speak to Mrs Hayles, Lead Teacher of Biology or any of the Biology teachers. Alternatively, view the AQA page at http://www.aqa.org.uk
A Level Chemistry

Examining board: OCR B (Salters) H435

Entry requirements
GCSE Chemistry at grade 6 or Combined Science at grade 7, plus GCSE Mathematics grade 6.

Links with other subjects and careers?
Chemistry is a challenging yet worthwhile subject to study. It is an experimental science that combines academic study with the acquisition of practical and investigational skills. The ideas introduced in this subject are taught within a spiral curriculum. A broad range of topics are encountered, but they mostly start from a real life perspective.

Apart from being a subject worthy of study in its own right, chemistry is a pre-requisite for many courses in higher education, such as medicine, pharmacy, geology, and any of the biological and environmental sciences. It is good preparation for careers in forensics, the food industry and even law. Employers value students who have studied chemistry for they will be numerate, have analytical skills and experience of teamwork, and will have risen to the challenge of a demanding subject.

Course content:

<table>
<thead>
<tr>
<th>Content</th>
<th>Summary</th>
</tr>
</thead>
<tbody>
<tr>
<td>Development of practical skills</td>
<td>The course offers many opportunities for practical work</td>
</tr>
<tr>
<td>Storylines</td>
<td>Chemical content and practical work reinforced by learning in context</td>
</tr>
<tr>
<td>Chemical literacy</td>
<td>Opportunities to practice and demonstrate skills in data extraction, manipulation and writing in technical terms</td>
</tr>
</tbody>
</table>

Assessment:

<table>
<thead>
<tr>
<th>Assessment</th>
<th>marks</th>
<th>Length</th>
<th>Percentage of A level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fundamentals of chemistry (01)</td>
<td>110</td>
<td>2 hours and 15 minutes (written paper)</td>
<td>41%</td>
</tr>
<tr>
<td>Scientific literacy in chemistry</td>
<td>100</td>
<td>2 hours and 15 minutes (written paper)</td>
<td>37%</td>
</tr>
<tr>
<td>Practical skills in chemistry</td>
<td>60</td>
<td>1 hour and 30 minutes (written paper)</td>
<td>22%</td>
</tr>
<tr>
<td>Practical endorsement in chemistry</td>
<td>Reported separately</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Where can I find out more?
Speak to Mr Harvey, Lead teacher of Chemistry, or go to www.ocr.org
A Level Computer Science

Examinining board: OCR (A Level Award H446)

Entry requirements
GCSE Computer Science at grade 6 and GCSE Mathematics at grade 6
Please note BTEC and ICT qualifications are not accepted.

Links with other subjects and careers?
Computers figure in all our lives; in science, technology, manufacturing, research, medicine; you name it, computing influences and affects everything we do.

These days, being online is an essential part of living. The power of the Internet means you can shop online, see right around the globe, visit virtual worlds, play games, watch films, blog with friends and relatives anywhere, any time. Computer Science links strongly with many subjects, providing both the skills from modelling and storing data that may be needed in Business, Mathematics, Geography and the Sciences.

In the UK there is a severe shortage of programmers, network engineers, database administrators and cyber security experts, all of which form the basis of our study in Computer Science. Being able to program to a professional level is a marketable and lucrative asset.

Languages learnt:
- Java programming language—high level programming, OOP development
- Java Script
- HTML—web page design
- CSS—Cascading Style Sheets
- Assembly Language—low level programming

Course content:
Unit 01: Computer Systems, including the characteristics of processors, software and software development, and the legal issues surrounding computers
Unit 02: Algorithms and Programming, including computational thinking and problem solving
Unit 04: The computing practical project is of individual choice, designed, coded and tested

Assessment:

<table>
<thead>
<tr>
<th>Assessment</th>
<th>Written</th>
<th>Duration</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paper 1—Computer Systems</td>
<td></td>
<td>2½ hours</td>
<td>40%</td>
</tr>
<tr>
<td>Paper 2 – Algorithms and Programming</td>
<td></td>
<td>2½ hours</td>
<td>40%</td>
</tr>
<tr>
<td>Paper 4 – Programming Project</td>
<td></td>
<td></td>
<td>20%</td>
</tr>
</tbody>
</table>

Where can I find out more?
Speak to Mrs Mitchard, Lead Teacher of Computing for more information.
A Level Drama and Theatre Studies

Examining board: AQA

Entry requirements
GCSE Drama at grade 6 or BTEC level 2 Performing Arts Distinction if taken, otherwise GCSE English Language or Literature at grade 6

Links with other subjects and careers?
Drama and Theatre Studies covers theoretical performance and practical performance. The Drama and Theatre Studies course focuses on the student’s ability to critically analyse theatre and its time period. It encourages students to tackle exam questions practically and take their performance skills to a professional level.

Drama and Theatre Studies stimulates growth and creativity. Drama and Theatre Studies A-Level gives lot of freedom to its students in terms of what they produce. The devising component allows students to create theatre based on any topic they like, and the scripted component allows them to choose a style of performance to be assessed on. This qualification encourages students to contemplate creative ways to approach theatre.

Drama and Theatre Studies offers the most transferable skills over any other subject. Drama and Theatre Studies A-Level is considered the most transferable A-Level by Oxford and Cambridge. You are taught how to; communicate with others effectively, problem solve, prepare/deliver speeches for any size audiences, work individually effectively, time manage effectively, critically analyse text and performance. It is a subject which links closely with English, art, film studies and music and is vital if students wish to pursue a career in the arts and entertainment world.

Course content:
The subject content for A Level Drama and Theatre is divided into three components:

1. Drama and theatre
2. Creating original drama
3. Making theatre

Assessment:
Unit 1 3 Hour Written Examination 40%
- Knowledge and understanding of drama and theatre
- Study of two set plays (one pre-20th century, one 20th or 21st century)
- Analysis and evaluation of the work of live theatre makers

Unit 2 Creating Original Drama 30%
- Process of creating devised drama
- Performance of devised drama (students may contribute as performer, designer or director)
- Assessed through a working notebook (40 marks) and a performance (20 marks)

Unit 3 Making Theatre 30%
- Practical exploration and interpretation of three extracts each taken from a different play.
- Assessed through a reflective report of all extracts (20 marks) and performance of third extract (40 marks)

Where can I find out more?
Speak to Miss Wild, Lead Teacher of Drama, or click on www.aqa.org.uk
Examing board: Edexcel

Entry requirements
GCSE English Literature or GCSE English Language at grade 6

Links with other subjects and careers? English is a flexible subject which lends its critical thinking skills to any other subject. Many students pair English with Humanities, Languages and other Arts based subjects; finding that the contextual links with History can bring fresh perspectives into texts studied, or that psychological debates can be found at the heart of any text. However, it is not uncommon for some students to study English alongside sciences and mathematics. Whilst the study of English Literature is recognised for its preparation for employment in the worlds of Journalism, creative writing, Advertising and Marketing, the skills employed through the study of English Literature are multi-faceted and wide ranging. Communication skills in writing, presenting and discussion, and the ability to analyse and condense large amounts of written information with confidence, speed and precision are highly valued skills in any workplace.

English offers a range of transferable skills. English students improve their communication and presentation skills, becoming confident communicators, both orally and in their writing. English students can take these skills into a wide range of occupations, some obviously linked to writing such as journalism, but others that might appear less obvious in the world of business and commerce. The ability to present information, and to communicate ideas effectively and persuasively, impacts upon virtually every career imaginable.

Studying English helps you to understand the world. By studying important literary works, students gain an insight into the human condition, and become aware of fundamental political and ideological ideas that have transformed history. Our English courses deal with the big issues that affect our lives and they encourage students to question and challenge conventional viewpoints.

English stimulates creativity. Through the study of literary texts English encourages students to express themselves creatively. Discussion and debate develop confidence, and produce students who are inquisitive and open minded.

Course content:
There are four units to the A Level course:

**Paper 1: Drama: Tragedy.** Students study two plays – one Shakespearean tragedy play, and a second tragedy play: *Othello* William Shakespeare and *A Streetcar Named Desire* Tennessee Williams

**Paper 2: Prose: The Supernatural.** Students study two novels: one pre-1900 and the other post-1900: *The Picture of Dorian Gray* Oscar Wilde and *Beloved* Toni Morrison.


**Non-Exam Assessment:** Students study *The Great Gatsby* F. Scott Fitzgerald alongside *Death of a Salesman* Arthur Miller in preparation for a comparative coursework essay of 2500 – 3000 words. The option to choose the focus of their essay is encouraged, and some students elect to replace one of both of these texts with their own selection.

**Assessment:**
Paper 1 – Written examination 2 hrs 15 mins, open book. **Worth 30%**
Paper 2 – Written examination, 1 hr 15 mins, open book. **Worth 20%**
Paper 3 – Written examination, 2 hrs 15 mins, open book with one unseen modern poem. **Worth 30%**
Non-exam Assessment – One essay of 2500-3000 words, comparing two texts. **Worth 20%**

Where can I find out more? Speak to Mrs Blyth or Ms Harding, Lead Teacher of English.
**A Level Film Studies**

**Examinaing board:** WJEC

**Entry requirements**
GCSE Film Studies at grade 6 (if taken) or GCSE English Language or English Literature at grade 6

**Links with other subjects and careers?**
The study of film as an art form and an industry is a serious academic discipline with its own theories, concepts and terminology. Film has been one of the most powerful mass media of the 20th and 21st centuries and its study encourages students to make connections with history, art, literature, music, psychology, sociology and economics. The analysis of film language develops skills of cine-literacy which are transferable to many other subjects. The study of film at A Level may help to open doors into many career options, including those in creative and media industries.

**Course content:**

**Component 1: Varieties of film and filmmaking**
This component assesses knowledge and understanding of six feature-length films.
Section B: American film since 2005 (two-film study). One question from a choice of two, requiring reference to two American films, one mainstream film and one contemporary independent film.
Section C: British film since 1995 (two-film study). One question from a choice of two, requiring reference to two British films.

**Component 2: Global filmmaking perspectives**
This component assesses knowledge and understanding of five feature-length films (or their equivalent).
Section A: Global film (two-film study). One question from a choice of two, requiring reference to two global films: one European and one produced outside Europe.
Section B: Documentary film. One question from a choice of two, requiring reference to one documentary film.
Section C: Film movements – Silent cinema. One question from a choice of two, requiring reference to one silent film or group of films.
Section D: Film movements – Experimental film (1960-2000). One question from a choice of two, requiring reference to one film option.

**Component 3: Production**
This component assesses one production and its evaluative analysis. Learners produce: either a short film (4-5 minutes) or a screenplay for a short film (1600-1800 words) and a digitally photographed storyboard of a key section from the screenplay; an evaluative analysis (1250-1500 words).

**Assessment:**
Component 1: Written examination: 3 hours, 35% of qualification.
Component 2: Written examination: 3 hours, 35% of qualification.
Component 3: Non-exam assessment, 30% of qualification.

**Where can I find out more?** Speak to Mr Gout, Lead Teacher of Film.
Examining board: AQA

Entry requirements
GCSE French at grade 6

Links with other subjects and careers?
French is a versatile language and combines well with a range of A Level subjects including Mathematics, Geography and English. Today the study of a language is vital in order to take full advantage of the opportunities in today’s global job market. French graduates have a vast array of career opportunities open to them, ranging from work with well-known multinational companies to international organisations or charities. There are exciting opportunities, often involving travel abroad, in finance/banking, sales, manufacturing, community/social services, research/medicine and transport/communication. The study of French at A Level is, without doubt, a most worthwhile investment for the future!

Course Content:
1. Social issues and trends
   - The changing nature of family
   - The ‘cyber-society’
   - The place of voluntary work
   - Positive features of a diverse society
   - Life for the marginalised
   - How criminals are treated

2. Political and artistic culture
   - A culture proud of its heritage
   - Contemporary francophone music
   - Cinema: the 7th art
   - Teenagers, the right to vote and political commitment
   - Demonstrations, strikes – who holds the power?
   - Politics and immigration

3. Grammar

4. Works: Literary texts and films

5. Individual research project

Assessment:
Paper 1: Listening, Reading and Writing (50% of A Level)
Paper 2: Writing (20% of A Level)
Paper 3: Speaking (30% of A Level)

Where can I find out more?
If you require more information about the course, please contact Mr Luret, Director of Modern Foreign Languages, or click on the AQA website: www.aqa.org.
Examiner board: Edexcel

Entry requirements
GCSE Geography or an equivalent GCSE humanities subject at grade 6 and GCSE English Language or Literature at grade 6.

Links with other subjects and careers?
Geography is a subject that complements most other A Level courses offered. It crosses academic boundaries, sitting comfortably with science, arts, humanities and languages and will add breadth to any course combination.

Geography covers a broad range of topics and skills and its graduates are highly sought after in the workplace. While the subject has a direct relevance to careers such as planning, conservation and environmental consultancy, an increasing number of geography graduates are now entering banking, advertising, business consultancy or ICT-based occupations. While these careers may not appear to be geographically related, they utilise the types of analytical and interpretive skills that geography students possess.

Course content:
Geography at A Level is a stimulating subject, and of special relevance to those who want to make sense of the complex, interconnected globalised world in which we live. Baroness Chalker, the current President of the Royal Geographical Society, holds the view that “the role of geography is increasingly important in today’s changing and complex world and is critical to solving the next generation of challenges”.

The department runs one post-16 A Level course following the Edexcel specification. Students will study the following topics for Paper 1: tectonic processes and hazards, the water cycle and water insecurity, the carbon cycle and energy security and coastal landscapes and change. For Paper 2, students will study globalisation, superpowers, rebranding places and migration. Paper 3 is a synoptic investigation of a geographical issue, while the remainder of the course is comprised of a 3000-4000 word independent investigation on a relevant topic of interest to the student.

Assessment:
Paper 1 – 2 hour examination (30% of the qualification, 90 marks)
Paper 2 – 2 hour examination (30% of the qualification, 90 marks)
Paper 3 – 1 hour 45 minutes (20% of the qualification, 60 marks)
Coursework – Independent Investigation (worth 20%, 60 marks)

Where can I find out more?
Speak to Dr Gleave, Lead Teacher of Geography, or click on www.edexcel.org
Examining board: Edexcel

Entry requirements
GCSE English language grade 6 or a GCSE in a humanities subject at grade 6.

Links with other subjects and careers?
This subject links very well to a number of subjects and combinations of subjects. In particular there are obvious links with Economics, History, English and Languages. Many key skills can be developed and assessed through this subject including ICT, communication (discussion and presentation) and working with others on various group projects. This course would be useful for a wide variety of careers. These include journalism, the law, business, civil service, local government and Parliament.

Course content:

Component 1: UK Politics
Topic 1: Political Participation - This section explores the nature of politics and how people engage in the political process in the UK.
Topic 2: Core Political Ideas - This section allows students to explore the three traditional political ideas of conservatism, liberalism and socialism.

Component 2: UK Government
Topic 1: UK Government – This section explores the UK constitution and enables students to understand where, how and by whom political decisions are made.
Topic 2: Optional Political Ideas – This section allows students to examine core ideas and principles, the effects of these ideas, the divisions within each idea and their key thinkers.

Component 3: Comparative Politics
In this unit students have an opportunity to develop an understanding of the local, national, international and global dimensions of political activity. It also gives them the opportunity to explore the political issues that affect all of us.

Assessment:
Each of the three components are given equal weighting (33\% of the qualification) and each of the three have 2 hour exams which are worth 84 marks each.

Where can I find out more?
Speak to Mrs Fajuyigbe, Lead Teacher of History, or Mr Wood or click on www.edexcel.org.uk
A Level History

Examining board: AQA

Entry requirements
GCSE History or an equivalent GCSE humanities subject at grade 6 and GCSE English language or literature at grade 6.

Links with other subjects and careers?
Studying History at A Level gives you access to a wide range of career and higher education opportunities. It is a subject that is well regarded by both universities and employers alike. History combines well with all subjects given the overarching nature of its content, covering all aspects of human development, technology and culture.

History provides an excellent foundation for a number of popular careers including journalism, law, tourism, PR, archaeology and business. The ability to process information and analyse viewpoints and opinions are key skills which transfer into so many occupations as well as providing excellent preparation for a variety of university and further education courses.

Course content:
History is a demanding and exciting subject. It is the study of the people and events that have shaped the modern world. You will become familiar with a range of source materials and evidence as well as how to interpret and write analytically. You will be given the opportunity to argue and debate issues in class and to get to grips with the lives of ordinary and extraordinary people. By the end of the course you will be able to weigh up evidence and communicate complex ideas effectively. The study of factors that shape these changes such as economic changes, social changes and political changes are themes which occur in the time periods studied.

Year 12:
Unit 1 - Breadth Study (40%)

Year 13:
Unit 2 - Depth Study (40%)
“The Quest for Political Stability: Germany, 1871–1991” (started in Year 12)
Unit 3 - Historical Enquiry (20%)
An extended essay testing research skills and understanding of change and continuity on a subject of your choice.

Assessment:
Unit 1 and Unit 2 – Written examination taken at the end of Year 13.
Unit 3 – Historical Enquiry

Where can I find out more?
Speak to Mrs Fajuyigbe, Lead Teacher of History or your History teacher or click on www.aqa.org
A Level Mathematics

Examining board: Edexcel

Entry requirements
GCSE Mathematics at grade 7

Links with other subjects and careers?
Mathematics is a highly valued and fascinating subject in its own right and as the language of Science, Engineering, Technology and Business. At A Level you will have the opportunity to study not only the mathematics that has been in existence for thousands of years, but also modern techniques used in logistics and optimization.

Mathematics has close links with the Sciences and Technology and applications in Social Sciences and Psychology. If combined with Humanities and Languages it will provide a balance of qualifications that is valued by universities and employers alike.

Career opportunities exist in Engineering, Medicine, the IT and Financial sectors as Accountants, Fund Managers, Actuaries, Investment Analysts and Traders; Statistical Analysts in Government departments and the pharmaceutical industries; teaching; research and development.

Course content:
In the 2 year course students will prepare for 3 externally examined papers.

Paper 1 Pure Mathematics 1:
Proof, algebra and functions, coordinate geometry in the (x,y) plane, sequences and series, trigonometry, exponentials and logarithms, differentiation, integration and vectors.

Paper 2 Pure Mathematics 2:
Proof, algebra and functions, coordinate geometry in the (x,y) plane, sequences and series, trigonometry, differentiation, integration and numerical methods.

Paper 3 Statistics and Mechanics
Section A: Statistical sampling, data presentation and interpretation, probability, statistical distributions and statistical hypothesis testing.
Section B: Quantities and units in mechanics, kinematics, forces and Newton’s Laws and moments.

Assessment:
All papers carry equal weighting and are assessed by a 2 hour written examination.

Where can I find out more?
Speak to Mrs Macrae, Director of Mathematics, Mr O’Donoghue, Second in Mathematics: A Level or to your Mathematics teacher, or go to www.edexcel.org.uk
Examining board: Oxford Cambridge and RSA (OCR)

Entry requirements
GCSE Mathematics at grade 8

Links with other subjects and careers?
Further Mathematics is essential for students wishing to study Mathematics at degree level and is highly valued for Science and Engineering degrees. Students must also be enrolled in A Level mathematics to follow this course.

There is great demand for people with mathematical ability. Further Mathematics is an advantage for anyone contemplating a degree in Mathematics and knowledge of Further Mathematics is also an advantage for various degree courses in Engineering, IT and Finance.

Course content:
In the 2 year course students will prepare for four externally examined papers.
The following overarching themes should be applied across the whole of the detailed content in the specification:

1. Mathematical argument, language and proof
2. Mathematical problem solving

Mandatory Papers:
Pure Core 1 & Pure Core 2: Proof, complex numbers, matrices, further vectors, further algebra, series, hyperbolic functions, further calculus, polar coordinates, differential equations.

Optional Papers:
Mechanics: Dimensional analysis, work, energy and power, impulse and momentum, centre of mass, motion in a circle, further dynamics and kinematics.
Statistics: Probability, discrete random variables, continuous random variables, linear combinations of random variables, hypothesis tests and confidence intervals, chi-squared tests, non-parametric tests, correlation, linear regression.
Additional pure mathematics: Sequences and series, number theory, groups, further vectors, surfaces and partial differentiation, further calculus.
Discrete Mathematics: Mathematical preliminaries, graphs and networks, algorithms, network algorithms, decision making in project management, graphical linear programming, the simplex algorithm, game theory.

Assessment:
Students must take both mandatory pure core papers and any two optional papers to be awarded the A Level. Students may take more than two optional papers to increase the breadth of their course. The combination of papers that results in the best grade will be used. All papers carry equal weighting, 25% of the qualification each, and are assessed by written examination with a duration of 1 hour and 30 minutes.

Where can I find out more? Speak to Mrs Macrae, Director of Mathematics, or Mr Tsafaras, Second in Mathematics: Further Mathematics A Level, or to your Mathematics teacher, or go to www.ocr.org.uk
**A Level Music**

**Examining board:** Edexcel

**Entry requirements**
GCSE Music at grade 6, or BTEC level 2 Music Distinction. Grade 4 or above in at least one instrument. If you have not taken a grade exam, but possess the required skills, please contact Ms Fenn (Subject Leader) to discuss your entry to the course. Students are also required to be able to read staff notation/tab (suitable to their instrument).

**Links with other subjects and careers?**
Music is an exciting and wide ranging subject and is an integral part of life at Barton Court. You will be encouraged to perform, compose and listen critically to music on a regular basis. The music course is ideal for pupils who want to pursue a career in the music industry or continue to study music academically. You will not be restricted in terms of the type of music you can perform, all styles are welcome! You will have the opportunity to perform in public and take part in events such as musicals and concerts held outside school.

Music is a universal subject and the skills required to be a successful musician are transferable. Pupils will be taught to be confident, creative, to speak their minds and to critically evaluate what they hear. Students will study a variety of set works from contrasting genres and contexts and are expected to listen to these with an open and inquiring mind. An A Level in Music complements many other A Level subjects and can be a pathway to a wide variety of degree level courses and career options. Past Sixth Form pupils have gone on to study Music at degree level (at universities and conservatoires) and some who have taken Music during the Sixth Form have gone on to study Law, History and English. Many pupils find that taking A Level Music enhances their enjoyment of the subject and they continue to play/compose music even if it is not their career focus.

**Course content:**
The course is divided into three units:

- **Performing:** an opportunity for students to demonstrate their solo and/or ensemble performance skills. They will be required to perform a public recital of a minimum duration of 8 minutes at the end of Year 13. This can be made up of several pieces.
- **Composition:** Students are required to submit two pieces by the end of the course. At least one piece must be composed to a brief set by the exam board. This will require manipulation of the musical elements, including melody, harmony, rhythm, structure, texture, tonality, dynamics and timbre.
- **Appraising:** Section A: listening questions based on set work studied, evaluating use of musical elements. Section B requires students to write in an extended way about the set works, linking them to unknown pieces.

**Assessment:** Performance (30%), Composition (30%), Appraising (40%)

**Where can I find out more?**
Speak to Ms Fenn: Lead Teacher of Music, Mr Baldock or Mr Mitchell or click on [www.edexcel.org.uk](http://www.edexcel.org.uk)
Examining board: AQA

Entry requirements
GCSE RS at grade 6 or GCSE English language or literature at grade 6

Links with other subjects and careers?
Studying Philosophy at A Level gives you access to a wide range of career and higher education opportunities. It is a subject that is well regarded by both universities and employers alike. Philosophy combines well with Mathematics and Science subjects to create an attractive portfolio of qualifications, enabling you to move on to a university science based course, including Medicine. Combined with English and a modern foreign language it would provide a good basis for an arts, social science or language based degree. Philosophy provides an excellent foundation for a number of popular careers including journalism, law, social work, international relations, public services including the police service, education, health services and medicine, politics, and business.

Course content:
This course allows a wide range of perspectives to be understood, investigating ideas from ancient cultures through to the 21st Century. We use a range of contemporary case studies and resources, and encourage students to question, develop analytical skills, and express viewpoints clearly in written responses.
There are four units in this course, with an online Anthology to support your understanding and evaluation of the following areas:

Unit 1 Epistemology: ‘What can we know?’ An exploration of perception (realism and idealism); knowledge (the relationships between belief, truth, and justifications); rationalism, reason, empiricism, intuition and deduction; the limits of knowledge (scepticism)

Unit 2 Moral Philosophy ‘How do we make moral decisions?’ An exploration of moral philosophy and ethical theories used to justify actions, including Utilitarianism, Kantian Ethics, Aristotle’s Virtue Ethics, ethical language applied to a range of contemporary issues and case studies

Unit 3 Metaphysics of God ‘Can the existence of God be proved?’ An exploration of the logic and evidence that is used to justify or challenge a belief that God exists, including the ontological, design and cosmological arguments; the problem of evil and suffering; exploring religious language

Unit 4 Metaphysics of Mind ‘Are my mind and body separate?’ An investigation into the relationship between mind and body, including understanding issues relating to dualism, materialism, functionalism and identity.

Assessment:
Units are assessed at the end of the course by two three-hour examinations

Where can I find out more?
Speak to Ms Cullimore, Lead Teacher of RPE, or click on www.aqa.org.uk
Examining board: AQA

Entry requirements
Photography: GCSE Art at Grade 6 or BTEC level 2 Art Distinction.

Links with other subjects and careers?
Following on from Foundation and Degree Courses in a wide variety of disciplines, students can embark on careers in: architecture, fashion design, film making, web design, art conservation, art therapy, interior design, teaching, photography, furniture making, community arts, graphic design, etc.

Photography A Level
A Level Photography students will be introduced to a variety of experiences that explore a range of photographic media, techniques and processes. Students will explore relevant images, artefacts and resources relating to a range of art, craft and design, from the past and from recent times, including European and non-European examples. This is integral to the investigating and making processes. Students may use traditional methods and/or digital techniques to produce images.

Areas of study
Students are required to work in one or more area(s) of photography, such as those listed below. They may explore overlapping areas and combinations of areas:

- portraiture
- landscape photography
- still life photography
- documentary photography, photojournalism
- fashion photography
- experimental imagery
- multimedia
- photographic installation
- moving image (video, film, animation).

Component 1: Personal investigation
This is a practical investigation supported by written material. Students are required to conduct a personal investigation, into an idea, issue, concept or theme, supported by written material. The focus of the investigation must be identified independently by the student and must lead to a finished outcome or a series of related finished outcomes.

Component 2: Externally Set assignment
The Externally Set Assignment represents the culmination of the A Level course. The question paper will consist of a choice of eight questions to be used as starting points. Preparatory period – from 1 February. Students should consider the starting points and select one. Following the preparatory period, students must complete 15 hours of unaided, supervised time. In the 15 hours students must produce a finished outcome or series of related finished outcomes, informed by their preparatory work.

Assessment:
Component 1– Personal investigation counting for 60% of the total A Level marks
Component 2– Externally set assignment counting for 40% of the total A Level marks

Where can I find out more? Speak to Mr Turner, Lead Teacher of Art, or click on www.aqa.org.uk

Please note: you cannot study A level Art, Craft and Design alongside A level Photography.
Exam Board: OCR

Entry requirements
GCSE Physics at grade 6 or Combined Science at grade 7, plus GCSE Mathematics grade 6.

Links with other subjects and careers?
A Level Physics is a highly valued qualification which opens doors to a multitude of opportunities. It will allow you to develop a range of transferable skills which can be used across a range of subjects, including computing skills, mathematical and practical skills and the ability to analyse and evaluate data to solve problems. A Level Mathematics complements the A Level Physics course well and it is a compulsory entry requirement for many physics related degree courses. Physics is a subject which can lead to many travel opportunities; physicists from all over the world work collaboratively on a range of projects, from space science at NASA to the Large Hadron Collider at CERN and many universities offer physics courses with a year work experience abroad. Physics combines well with other A Level science subjects such as chemistry and biology and students interested in engineering often opt to study design technology. A physics degree can lead to a career in many fields, including mechanical engineering, electronic engineering, scientific research, technological industries, space exploration, medical physics, design, architecture, geophysics and meteorology, nanotechnology, renewable energy, telecommunications, computing, accountancy and business.

Course content:
Physics is the most fundamental science; in it we ask the big questions about our world, universe and even our reality. Physics involves all physical aspects of natural science from the very small sub-atomic particles to the unimaginably large galaxies and the cosmos; including topics on mechanics, energy generation, thermodynamics, electrical circuits, waves, quantum physics, electromagnetism, nuclear and particle physics, medical imaging and astrophysics.

There are six modules to the A Level course:
Module 1: Development of Practical Skills  Module 2: Foundations of Physics
Module 3: Forces and Motion  Module 4: Electrons, waves and photons
Module 5: Newtonian World and astrophysics  Module 6: Particles and medical physics

Assessment:
The course is assessed by three examinations; two of the examinations consist of a combination of multiple choice and structured questions, covering theory and practical skills. The third examination assesses content from all modules in a synoptic style examination. There is a practical endorsement component which is teacher assessed.

Where can I find out more?
Please contact Mr Chandler, Lead Teacher of Physics, or go to http://www.ocr.org.uk
A Level Product Design (3D Design)

Examining board: Eduqas

Entry requirements
A Design Technology GCSE at grade 6

Links with other subjects and careers?
Possible future pathways include: Higher Education, Product or Automotive Design, Architecture, Engineering, CAD, Web Design, Architecture, teaching, Manufacturing or Advertising.
Students who take Product Design often take Physics too. This means Product Design can either be your specialist topic, or play a supporting role for other subjects.

Course content:
Design and technology is an inspiring, rigorous and practical subject. This specification encourages Students to use creativity and imagination when applying iterative design processes to develop and modify designs, and to design and make that solve real world problems, considering their own and others’ needs, wants, aspirations and values. The specification enables Students to identify market needs and opportunities for new products, initiate and develop design solutions, and make and test prototypes.

Students should acquire subject knowledge in design and technology, including how a product can be developed through the stages of prototyping, realisation and commercial manufacture.

Students should acquire subject knowledge in design and technology, including how a product can be developed through the stages of prototyping, realisation and commercial manufacture.

Students need to demonstrate expertise in specialist areas, linked to design disciplines that reflect possible higher education routes and industry. This specification enables Students to work creatively when designing and making and apply technical and practical expertise.

Assessment:
AO1 Identify, investigate and outline design possibilities to address needs and wants
AO2 Design and make prototypes that are fit for purpose
AO3 Analyse and evaluate –
  • design decisions and outcomes, including for prototypes made by themselves and others
  • wider issues in design and technology
AO4 Demonstrate and apply knowledge and understanding of –
  • technical principles
  • design and making principles

The table below shows the weighting of each assessment objective for each component and for the qualification as a whole.

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<td>Component 1</td>
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<td>Component 2</td>
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<td>Overall weighting</td>
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Where can I find out more?
Speak to Mrs Cottrell, Lead Teacher of Technology, or your DT Teacher, or click on www.eduqas.org
Examinining board: AQA

Entry requirements
GCSE Psychology at grade 6, if taken, otherwise GCSE English Language or literature at grade 6 plus GCSE Mathematics and a science at grade 6.

Links with other subjects and careers? This is a new two year A Level qualification offering an engaging and effective introduction to psychology. You will learn the fundamentals of the subject and develop skills valued by Higher Education and employers, including critical analysis, independent thinking and research. Psychology has links with many disciplines including biological, computer and forensic science as well as humanities such as philosophy, anthropology and even literature. It involves study of theory, empirical evidence and practical applications. This mix of disciplines helps to make psychology such a fascinating subject. If you wish to become a psychologist, therapist or mental health worker, this A Level is of direct value. However, there are many careers that you can go into following a degree in psychology including law, management or education.

Course content:
The mind is something intangible that exists within our brain. An unseen process of enzymes, chemicals and electric current moving within the structure of our neural networks dictates why we feel, think and behave the way we do.

➢ But why is it that some people suffer from stress and mental illness?
➢ Why do some people fear snakes yet a few think they are cuddly?
➢ Can we improve memory?
➢ Why are the first years of a child’s development so important?

Psychology looks at questions like these in the study of the human mind and behaviour. It is a science that has real world applications to issues in everyday life, ranging from things like artificial intelligence to social change. Psychologists observe and measure behaviour and their therapies are based on scientific study. In your first year you will study topics such as approaches to psychology, research methods, social influence, phobias, attachment and memory. This introduction will form a sound basis for the second year, in which you might study topics such as gender, forensic psychology, stress, addiction or schizophrenia.

Assessment:
Paper 1 - Social Influence, Memory, Attachment & Psychopathology
Paper 2 - Approaches in Psychology, Biopsychology and Research Methods
Paper 3 - Issues and Debates, Relationships, Forensics, Schizophrenia

Where can I find out more?
Speak to Miss Lloyd, Lead Teacher of Psychology or click on www.aqa.org.uk
Exposing board: AQA

Entry requirements
GCSE Sociology grade 6, if taken, otherwise GCSE English Language or Literature, or a humanities subject at grade 6.

Links with other subjects and careers?
Studying Sociology at A Level gives you access to a wide range of career and higher education opportunities. It is a subject that is well regarded by both universities and employers alike. Sociology combines well with Mathematics and Science subjects to create an attractive portfolio of qualifications, enabling you to move on to a university science based course, including Medicine. Combined with English and a modern foreign language it would provide a good basis for an arts, social science or language based degree. Sociology provides an excellent foundation for a number of popular careers including journalism, law, social work, international relations, public services including the police service, education, health services and medicine, politics, social policy research, and business.

Course content:
**Unit 1 Education with Theory and Methods**: An exploration of the role and functions of the education system, including its relationship to the economy, class structure. We look at achievement of social groups (class, gender, ethnicity); the relationships within school between teachers/pupils/pupil subcultures; the structure/impact of changes in educational policies. You will be prepared to apply sociological methods to the study of education, learning about different approaches, issues, and interpretations of conducting research; including conducting your own sociological research.

**Unit 2 Families and Households** An exploration of sociological explanations for changes in patterns of personal life, gender roles, power relationships, childhood, family and household structures. We will be looking at demographic trends in the UK: birth and death rates, family size, migration, globalisation.

**Unit 3 The Media** An exploration of the sociological explanations of the role and impact of media upon audiences in contemporary society, including ownership and control of the media; processes of selection and presentation of content of the news; and media representations of age, social class, ethnicity, gender, sexuality and disability.

**Unit 4 Crime and Deviance with Theory and Methods** An exploration of sociological explanations for crime and deviance, including studying trends and patterns relating to ethnicity, gender, and social class. We will be looking at globalisation, the media and crime, green crime, human rights and state crime. We will be considering policies and practices relating to crime control, surveillance, prevention and punishment, victims and the role of the criminal justice system. You will conduct small-scale research, examine and compare research methods and interpretations, and consider the impact and efficacy of Sociology as a scientific and social tool to understand UK communities.

Assessment:
**Paper 1 – Education with Theory and Methods** - 2 hour written examination
  - Short answer and three extended writing answers (80 marks/33.33% of A Level)
**Paper 2 – Families and Households/The Media** – 2 hour written examination
  - Two extended writing answers (80 marks/33.33% of A Level)
**Paper 3 – Crime and Deviance with Theory and Methods** – 2 hour written examination
  - Short answer and two extended writing answers (80 marks/33.33% of A Level)

Where can I find out more?
Speak to Miss Wharton Teacher of Sociology, or click on [www.aqa.org.uk](http://www.aqa.org.uk)
Examining board: AQA

Entry requirements
GCSE Spanish at grade 6.

Links with other subjects and careers?
Spanish is a versatile language and combines well with a range of A Level subjects including Mathematics, Geography and English. Today the study of a language is vital in order to take full advantage of the opportunities in today’s global job market. Spanish graduates have a vast array of career opportunities open to them, ranging from work with well-known multi-national companies to international organisations or charities. There are exciting opportunities, often involving travel abroad, in finance/banking, sales, manufacturing, community/social services, research/medicine and transport/communication. The study of Spanish at A Level is, without doubt, a most worthwhile investment for the future!

Course Content:
1. Social issues and trends
   - Modern and traditional values
   - Cyberspace
   - Equal rights
   - Immigration
   - Racism
   - Integration
2. Political and artistic culture
   - Modern day idols
   - Spanish regional identity
   - Cultural heritage
   - Today’s youth, tomorrow’s citizens
   - Monarchies and dictatorships
   - Popular movements
3. Grammar
4. Works: Literary texts and films
5. Individual research project

Assessment:
Paper 1: Listening, Reading and Writing (50% of A Level)
Paper 2: Writing (20% of A Level)
Paper 3: Speaking (30% of A Level)

Where can I find out more?
If you require more information about the course, please contact Mr Luret, Director of Modern Foreign Languages, or click on the AQA website: www.aqa.org.
Examining board: Pearson

Entry requirements
GCSE Biology, Chemistry, Physics or Combined Science grade 5.

Links with other subjects and careers?
BTEC National Extended Certificate in Applied Science provides a broad science education through applied learning, building on learning from GCSE sciences. This qualification will prepare students for a range of higher education courses and jobs in the science sector. It will combine naturally with BTEC sport for those who wish to pursue Sport Science at university or other forms of tertiary education.

Course content:

Mandatory Units
Unit 1 Principles and applications of Science I: This unit covers some of the key science concepts in biology, chemistry and physics, including animal and plant cells; tissues; atomic structure and bonding; chemical and physical properties of substances related to their uses; waves and their application in communications.
Unit 2 Practical Scientific Procedures and Techniques: This unit introduces you to standard laboratory equipment and techniques, including titration, colorimetry, calorimetry, chromatography, calibration procedures and laboratory safety.
Unit 3 Science Investigation Skills: Learners will cover the stages involved and the skills needed in planning a scientific investigation: how to record, interpret, draw scientific conclusions and evaluate.

Optional Unit
There are a broad range of optional units, covering biology, chemistry and physics. The unit(s) that will be taught at Barton Court are to be confirmed and decisions will be made to maximise the skills of staff and students for the best possible outcomes for students.

Assessment:
Unit 1: Written 1.5hr examination (worth up to 24 points)
Unit 2: Internal assessment (worth up to 24 points)
Unit 3: Written synoptic 2.5hr assessment, set and marked by Pearson (worth up to 32 points)
Optional Unit: Internal Assessment (worth up to 16 points)
The overall BTEC grade will be based on total points along with minimum requirements in each unit. The BTEC is awarded at Pass, Merit, Distinction or Distinction*.

Where can I find out more?
Speak to Mrs Hayles, Mr Harvey or Mr Chandler, Science Lead Teachers or go to: http://qualifications.pearson.com/en/about-us/qualification-brands/btec.html
Excluding board: Pearson

Entry requirements

GCSE Business grade 5 or BTEC Business level 2 Merit, otherwise GCSE English Literature or Language at grade 5.

Links with other subjects and careers?
BTEC National Extended Certificate in Business provides a broad business education through applied learning. This qualification will prepare students for a range of higher education courses and jobs in the business sector. It will combine naturally with a broad range of other subjects to provide access to careers in accountancy, human resources, marketing and law. Through its applied approach, the BTEC Extended Certificate is a sought after qualification for access to higher and degree apprenticeships.

Course content:

Mandatory Units
Unit 1 Exploring Business: In this introductory unit, learners study the purposes of different businesses, their structure, the effect of the external environment, and how they need to be dynamic and innovative to survive.
Unit 2 Developing a Marketing Campaign: Learners will gain skills relating to, and an understanding of, how a marketing campaign is developed.
Unit 3 Personal and Business Finance: Learners study the purpose and importance of personal and business finance. They will develop the skills and knowledge needed to understand, analyse and prepare financial information.

Optional Unit
In addition to the three mandatory units, learners also undertake Unit 8 Recruitment and Selection Process in Year 2 of the course. This involves a combination of practical and written exercises designed to give students a real insight into human resource management.

Assessment:
Unit 1: Internal assessment (worth up to 24 points)
Unit 2: Written 1.5hr examination (worth up to 24 points)
Unit 3: Written synoptic 2.5hr assessment, set and marked by Pearson (worth up to 32 points)
Unit 8: Internal Assessment (worth up to 16 points)
The overall BTEC grade will be based on total points along with minimum requirements in each unit. The BTEC is awarded at Pass, Merit, Distinction or Distinction*.

Where can I find out more?
Speak to Dr Gleave: Lead Teacher of Business and Geography or go to:
Examining board: Pearson

Entry requirements
A science GCSE grade 5 or BTEC Health and Social Care level 2 Merit

Links with other subjects and careers?
BTEC National Extended Certificate in Health and Social Care provides a broad education through applied learning. This qualification will prepare students for a range of higher education courses and jobs in the health and social care sector. It will combine naturally with a broad range of other subjects to provide access to careers in nursing, social work, education physiotherapy and sport studies. Through its applied approach, the BTEC Extended Certificate is a sought after qualification for access to higher and degree apprenticeships.

Course content:

Mandatory Units
Unit 1 Human Lifespan Development: Learners cover physical, intellectual, emotional and social development across the human lifespan, and the factors affecting development and the effects of ageing
Unit 2 Working in Health and Social Care: Learners explore what it is like to work in the health and social care sector, including the roles and responsibilities of workers and organisations
Unit 5 Meeting Individual Care and Support Needs: Learners focus on the principles and practicalities that underpin meeting individuals’ care and support needs, which are the foundation of all the care disciplines.

Optional Unit
There are a broad range of optional units, covering sociological and psychological perspectives, supporting individuals with additional needs and physiological disorders. The unit(s) that will be taught at Barton Court are to be confirmed and decisions will be made to maximise the skills of staff and students for the best possible outcomes for students.

Assessment:
Unit 1: Written 1.5hr examination (worth up to 24 points)
Unit 2: Written 1.5hr examination, set and marked by Pearson (worth up to 32 points)
Unit 5: Internal assessment (worth up to 24 points)
Optional Unit: Internal Assessment (worth up to 16 points)
The overall BTEC grade will be based on total points along with minimum requirements in each unit. The BTEC is awarded at Pass, Merit, Distinction or Distinction*.

Where can I find out more?
Speak to Miss Parker: Teacher of Health and Social Care or go to:
BTEC Level 3 National Extended Certificate in Sport

**Exaining board:** Pearson

**Entry requirements**
GCSE PE grade 5 or BTEC Sport level 2 Merit and a GCSE science grade 5

**Links with other subjects and careers?**
BTEC National Extended Certificate in Sport combines with Science, including Psychology, to enable progression onto a Sports Science Degree Course at University, and provides a sound base for those wishing to practice physiotherapy. When combined with Sociology or Geography it offers a good base for a degree in Social or Environmental Sciences. Combining Sports Science with Business Studies offers a pathway into Sports Management and Business, including the world of the Sports Agent and Coaching.

**Course content:**

**Mandatory Units**
Unit 1 Anatomy and physiology: Learners explore how the skeletal, muscular, cardiovascular and respiratory systems function and the fundamentals of the energy systems
Unit 2 Fitness Training and Programming for Health, Sport and Well-being: Learners explore client screening and lifestyle assessment, fitness training methods and fitness programming to support improvements in a client’s health and well-being.
Unit 3 Professional Development in the Sports Industry: Learners explore the knowledge and skills required for different career pathways in the sports industry. Learners will take part in, and reflect on, a personal skills audit, career action plan and practical interview assessment activities.

**Optional Unit**
Unit 5 Application of Fitness Testing: Learners gain an understanding of the requirements of fitness testing and learn how to safely conduct a range of fitness tests for different components of fitness.

**Assessment:**
Unit 1: Written 1.5hr examination (worth up to 32 points)
Unit 2: Written synoptic 2.5hr assessment, set and marked by Pearson (worth up to 32 points)
Unit 3: Internal assessment (worth up to 16 points)
Unit 5: Internal assessment (worth up to 16 points)
The overall BTEC grade will be based on total points along with minimum requirements in each unit. The BTEC is awarded at Pass, Merit, Distinction or Distinction*.

**Where can I find out more?**
Speak to Mrs Nuttall, Lead Teacher of Physical Education or go to:
To help you decide on a pattern of courses, the following Learning Pathways will help you envisage the subjects and choices that might be associated with a particular career choice:

**BUSINESS/MARKETING/ACCOUNTING**
Mathematics, BTEC L3 Business, Computer Science, History

**MEDICINE/VETERINARY MEDICINE/DENTISTRY**
Biology, Chemistry, Philosophy, Psychology, Mathematics, English Literature

**LAW**
English Literature, History, Philosophy, Politics, Psychology, Chemistry, Sociology

**JOURNALISM**
English, History, Politics, Philosophy, Sociology

**MEDIA**
English, Film Studies, History, Art, Philosophy, Psychology, Sociology

**SPORT/LEISURE**
BTEC L3 Sport, BTEC L3 Business, BTEC L3 Health and Social Care, Psychology, Biology

**ENGINEERING/GENERAL SCIENCE**

**SOCIAL SCIENCES/ SOCIAL CARE**
Sociology, Psychology, Philosophy, History, Geography, Mathematics, English, BTEC L3 Health and Social Care

**TEXTILES/FASHION**
Art, Photography, Product Design, BTEC L3 Business, English

**ART AND DESIGN**
Art, Photography, Product Design, BTEC L3 Business, English

**PERFORMING ARTS**
Music, Art, Photography, English, Drama, Product Design, BTEC L3 Sport

**LANGUAGES**
Spanish, French, English, BTEC L3 Business

**HUMANITIES**
History, Geography, Psychology, Philosophy, English, BTEC L3 Business

If you would like to seek independent careers advice then speak to Ms Cullimore who will put you in touch with Mr Scott our Careers advisor.
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## Subject Entry Requirements

### A Level Courses

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<th>Subject</th>
<th>Minimum Entry Requirements</th>
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<tr>
<td>Art</td>
<td>GCSE Art at Grade 6 or BTEC level 2 Art Distinction</td>
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<tr>
<td>Biology</td>
<td>GCSE Biology at grade 6 or Combined Science at grade 7</td>
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<tr>
<td>Chemistry</td>
<td>GCSE Chemistry at grade 6 or Combined Science at grade 7, plus GCSE Mathematics grade 6.</td>
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<tr>
<td>Computer Science</td>
<td>GCSE Computing at grade 6 and GCSE Mathematics at grade 6</td>
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<tr>
<td>Drama &amp; Theatre Studies</td>
<td>GCSE Drama at grade 6 or BTEC level 2 Performing Arts Distinction if taken, otherwise GCSE English Language or Literature at grade 6</td>
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<tr>
<td>English Literature</td>
<td>GCSE English Literature or GCSE English Language at grade 6</td>
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<tr>
<td>French</td>
<td>GCSE French at grade 6</td>
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<tr>
<td>Film Studies</td>
<td>GCSE Film Studies at grade 6 (if taken) or GCSE English Language or English Literature at grade 6</td>
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<tr>
<td>Geography</td>
<td>GCSE Geography or an equivalent GCSE Humanities subject at grade 6 and GCSE English Language or Literature at grade 6.</td>
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<tr>
<td>Government and Politics</td>
<td>GCSE English language grade 6 or a GCSE in a humanities subject at grade 6</td>
</tr>
<tr>
<td>History</td>
<td>GCSE History or an equivalent GCSE Humanities subject at grade 6 and GCSE English Language or Literature at grade 6.</td>
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<tr>
<td>Mathematics</td>
<td>GCSE Mathematics at grade 7</td>
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<tr>
<td>Mathematics Further</td>
<td>GCSE Mathematics at grade 8</td>
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<tr>
<td>Music</td>
<td>GCSE Music at grade 6, or BTEC level 2 Music Distinction. Grade 4 or above in at least one instrument</td>
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<tr>
<td>Philosophy</td>
<td>GCSE RS at grade 6 or GCSE English language or Literature at grade 6</td>
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<tr>
<td>Photography</td>
<td>Photography: GCSE Art at Grade 6 or BTEC level 2 Art Distinction</td>
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<tr>
<td>Physics</td>
<td>GCSE Physics at grade 6 or Combined Science at grade 7, plus GCSE Mathematics grade 6.</td>
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<tr>
<td>Product Design</td>
<td>A Design Technology GCSE at grade B</td>
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<td>Psychology</td>
<td>GCSE Psychology grade B, if taken, otherwise GCSE English Language or literature at grade 6 plus GCSE Mathematics and a Science at grade 6</td>
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<tr>
<td>Sociology</td>
<td>GCSE Sociology grade 6, if taken, otherwise GCSE English Language or Literature, or a Humanities subject at grade 6.</td>
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<td>Spanish</td>
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### BTEC National Extended Certificates

<table>
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<th>Subject</th>
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<tr>
<td>Applied Science</td>
<td>GCSE Biology, Chemistry, Physics or Combined Science grade 5.</td>
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<tr>
<td>Business</td>
<td>GCSE Business grade 5 or BTEC Business level 2 Merit, otherwise GCSE English Literature or Language at grade 5.</td>
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<tr>
<td>Health and Social Care</td>
<td>A science GCSE grade 5 or BTEC Health and Social Care level 2 Merit</td>
</tr>
<tr>
<td>Sport</td>
<td>GCSE PE grade 5 or BTEC Sport level 2 Merit and a GCSE science grade 5</td>
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