



**Trinity School**

www.trinityschool.com

# **Sixth Form Course Guide**

## **2013**

## Applied Science (BTEC) (Level 3)

The BTEC National in Applied Science has been developed to give learners the opportunity to acquire technical and employability skills, knowledge and understanding and give learners the opportunity to develop a range of skills and techniques, personal skills and attributes essential for successful performance in working life. The units covered will come from the selection below. For the BTEC certificate (done in Year 12) only the mandatory units need to be completed. To achieve the subsidiary diploma (possibly an option for Year 13) 30 credits need to be gained from the optional units.

Unit	Mandatory units	Credit	Level
1	Fundamentals of Science	10	3
2	Working in the Science Industry	10	3
4	Scientific Practical Techniques	10	3
Unit	Optional units		
5	Perceptions of Science	10	3
6	Using Mathematical Tools in Science	5	2
7	Mathematical Calculations for Science	5	3
8	Using Statistics in Science	5	3
9	Informatics in Science	5	3
10	Using Science in the Workplace	10	3
11	Physiology of Human Body Systems	10	3
12	Physiology of Human Regulation and Reproduction	10	3
13	Biochemistry and Biochemical Techniques	10	3
14	Energy Changes, Sources and Applications	10	3
15	Microbiological Techniques	10	3
16	Chemistry for Biology Technicians	10	3
17	Electrical Circuits and their Applications	10	3
18	Genetics and Genetic Engineering	10	3
19	Practical Chemical Analysis	10	3
20	Medical Physics Techniques	10	3
22	Chemical Laboratory Techniques	10	3
23	Science for Environmental Technicians	10	3
24	Principles of Plant and Soil Science	10	3
26	Industrial Chemical Reactions	10	3
27	Chemical Periodicity and Its Applications	10	3
28	Industrial Applications of Organic Chemistry	10	3
42	Geology of Natural Resources	10	3
44	Astronomy	10	3

**What qualifications, skills and/or background experience or interests do you need to have to study this subject?**

- Five or more A\* - D grades at GCSE, including English Language or Maths at C or above, and preferably Science at a grade C/D.
- An ability to hand in work for deadlines.

**For further information, contact Mr B Irving.**

# Art and Design (Art, Craft and Design) (A Level)

Students are encouraged to develop their ideas in an original and exciting manner, providing them with the opportunity to gain new skills and develop existing ones. The Art study visit, an inspiring component of the first term's work, visits to galleries in Edinburgh and London. This enables students to experience a rich variety of historical and contemporary work, which will subsequently inform their own creativity. We encourage all AS Art students to attend the after school Life Drawing classes. These classes run over a four week period with Mrs J Giles, and the exciting work produced is entered as part of their coursework. Students are also encouraged to submit their art work for Aerie International, The International Literary Arts Magazine.

## Course Outline and Assessment Methods

AS	A2
<p><b>Unit 1: Portfolio (Coursework)</b>                      50% of total AS marks, 25% of total A Level marks                      80 marks                      Portfolio of lively and exciting work carried out in Year 12                      Marked as a whole                      Internally marked and moderated by AQA by a visit to the centre</p>	<p><b>Unit 3: Personal Investigation</b>                      Coursework – 25% of total A Level marks                      80 marks                      Personal investigation based on idea, issue, concept or theme                      Supported by 1000 - 3000 words                      Marked as a whole                      Internally marked and moderated by AQA by a visit to the centre</p>
<p><b>Unit 2: Externally - Set Assignment</b>                      50% of total AS marks, 25% of total A Level marks                      80 marks                      Assignment issued to candidates on 1 February                      Supervised time 5 hours                      Marked as a whole                      Internally marked and moderated by AQA by a visit to the centre</p>	<p><b>Unit 4: Externally-Set Assignment</b>                      25% of total A Level marks                      80 marks                      Assignment issued to candidates on 1 February                      Supervised time 15 hours                      Marked as a whole                      Internally marked and moderated by AQA by a visit to the centre</p>

Art, Craft and Design is a wide ranging course covering printmaking, sculpture, painting, photography, mixed media, drawing and art history. Students are encouraged to develop their ideas using a range of experimental techniques and media, extending their creative individuality. The course enables students to develop their skills in decision making, the ability to follow tasks through from conception to completion and to develop their potential when working independently.

### What qualifications, skills and/or background experience and interests do you need to have to study this subject at AS and A2 level?

- Five or more A\*- C grades at GCSE, including **English Language** and **Maths**. If interested in teaching, then a C in Maths is also required.
- B or above in GCSE Art is advisable
- Enthusiasm for the subject.

**For further information, contact Mrs J Giles or Mrs Milbourne.**

# Biology (A Level)

This course encourages students to develop essential knowledge and understanding of the concepts of Biology; an understanding of scientific methods, an awareness of advances in technology and recognition of the value of Biology in society. In addition to class teaching and practical work, there will be opportunities for fieldwork, revision conferences and relevant course lectures.

## Course Outline

AS	A2
<p><b>Unit 1</b> Biology and Disease</p> <p><b>Unit 2</b> The Variety of Living Organisms</p> <p><b>Unit 3</b> Investigative and Practical Skills</p>	<p><b>Unit 4</b> Populations and Environment</p> <p><b>Unit 5</b> Control in Cells and Organisms</p> <p><b>Unit 6</b> Investigative and Practical Skills</p>

## Assessment Methods

Units 1, 2 and 4, 5 will be examined. For the coursework modules (units 3 and 6) students will be awarded marks for describing and demonstrating ethical, safe and skilful practical techniques; selecting appropriate methods; making, recording and communicating reliable and valid observations and measurements with precision and accuracy; analysing, interpreting, explaining and evaluating the method, results and impact of their experimental and investigatory activities.

**What qualifications, skills and/or background experience or interests do you need to have to study this subject at AS and A2 level?**

- At least 7 GCSE's must be A\*/A/B, including **English Language** and **Maths**.
- At least grade B in Biology, or A/A\* in Science and Additional Science at GCSE.
- You must have an interest in all aspects of Biology including animals, plants, the environment, disease and genetic engineering.
- You must be able to interpret graphs and tables.
- The ability to understand the ethics and issues of new scientific techniques will be developed.

***For further information, contact Miss S McLeod.***

# Business Studies (A Level)

Ever thought of a brilliant idea for your own business? Ever wanted to appear on 'Dragons Den'? This course will appeal to those students who:

- Enjoy studying a subject that is relevant to his or her own life experience.
- Would like to study a subject that offers opportunities for a career in business.
- Want to keep their options open. Business Studies can be a useful choice for a wide range of careers and can be combined with a wide range of subjects.

## Course Outline (Exam Board: AQA)

### AS at a Glance

AS Units focus on small to medium sized businesses operating within national, as opposed to international markets.

Unit Number	Exam	Weighting	Title	Content
1 Year 12	1 hour 15 minutes	20%	Planning and Financing a Business	Overview of activities involved in starting a business e.g. producing a business plan, essential concepts of financial planning e.g. sources of finance, cash flow forecasts etc.
2 Year 12	1 hour 30 minutes	30%	Managing a Business	The functional areas of business: Marketing, Finance, People, Operations Management

### A2 at a Glance

A2 units build on the AS units by considering more complex business scenarios and focusing on strategy, as opposed to tactics.

Unit Number	Exam	Weighting	Title	Content
3 Year 12 and Year 13	1 hour 45 minutes	25%	Strategies for Success	Functional Strategies to achieve success measuring business performance e.g. financial and marketing strategies
4 Year 13	1 hour 45 minutes	25%	The Business Environment and Managing Change	External Influences, change and the management of change.

## Assessment Methods

**Units 1 and 2** are assessed through data response questions using short answer questions and longer answer questions based on a mini case study.

**Unit 3** is assessed through questions that will require extended answers based on an unseen case study drawing upon knowledge from AS units.

**Unit 4** is assessed through a series of questions based on a pre-released research task. Clear guidance will be given on the nature and extent of the research task. All questions are essay style and synoptic therefore drawing upon knowledge from all four units.

**What qualifications, skills and/or background experience or interests do you need to have to study this subject at AS and A2 level?**

- Five or more A\* - C grades at GCSE including **English Language** and **Maths** and be confident with numerical calculations
- You **do not** need to have studied GCSE Business Studies.
- You should have an interest in the way businesses operate.

**For further information, contact Mr A Winter or Mr R Boyce.**

# Business (BTEC) (Level 3) (Certificate & Subsidiary Diploma) (QCF)

## What is a BTEC in Business?

This qualification has been developed for students who are interested in pursuing a career in specialist areas such as management, marketing, finance, customer service or human resources in large organisations. It will also be suitable for those students who wish to take up a more generic role in a small local business.

## Course Outline

### **Exam Board: Edexcel**

**In Year 12, students will work towards the BTEC Level 3 Certificate in Business.** Students will complete the following **2** core units and **1** of the optional units in consultation with staff:

### **Core Units**

- The Business Environment
- Business Resources

### **Optional Units:**

- Introduction to Marketing
- Business Communication

**In Year 13 students will work towards gaining the BTEC Level 3 Subsidiary Diploma in Business.**

The Subsidiary Diploma requires students to complete the following **4** core units:

1. The Business Environment
2. Business Resources
3. Introduction to Marketing
4. Business Communication

In consultation with staff, students then choose some of the optional units to complete which are based around the following specialist areas; Accounting, Marketing, Human Resources, Law, Administration, Retail & Logistics (the full list is available on [www.edexcel.com](http://www.edexcel.com)).

## Assessment Methods

On successful completion of all the unit requirements students will be awarded a **pass, merit or distinction:**

- to achieve a 'pass' a student must have satisfied **all** the pass assessment criteria
- to achieve a 'merit' a student must additionally have satisfied **all** the merit grading criteria
- to achieve a 'distinction' a student must additionally have satisfied **all** the distinction grading criteria.

**What qualifications, skills and/or background experience or interests do you need to have to study this subject?**

- Five or more A\* - D grades at GCSE, including English Language **or** Maths at C or above.
- You **do not** need to have studied Business Studies to GCSE level.
- You should have an interest in the way businesses operate.

**For further information contact Mr A Winter.**

# Chemistry (A Level)

Chemistry is the study of substances, what they are made of, how they interact and what role they play in living things. In fact, it is the study of materials and is vital to every aspect of our lives. From the moment we are born and throughout our lives we are surrounded by Chemistry: in the air we breathe, the food we eat and the clothes we wear.

Chemistry and the Chemical Sciences open up a world of possibilities and expand your choices. No matter how the world changes in the 21<sup>st</sup> century, Chemistry will always be at the centre of science and the heart of life.

## Course Outline

AS	A2
<p>This consists of two module examinations, practical skills and a practical examination.</p> <p><b>Module 1 – Foundation Chemistry</b> Examination Atomic structure, bonding, trends in the Periodic Table and chemical calculations; discovering the mole as a working unit in chemical calculations</p> <p><b>Module 2a – Chemistry in Action</b> Examination <b>Physical and Inorganic Chemistry</b> – energy changes, kinetics (factors that affect the rate of chemical reactions). Chemical equilibria and industrial processes. Oxidation and reduction. Physical and chemical properties of the halogens.</p> <p><b>Module 2b – Organic Chemistry</b> The study of compounds of carbon; functional groups; reaction mechanisms and spectroscopic analysis to identify compounds.</p> <p><b>Module 3 – PSA and ISA</b> Practical Skills Assessment in class and Investigation Skills Assessment by examination.</p>	<p>This consists of two modules of new work, building upon material studied at AS, practical skills and an examination.</p> <p><b>Module 4 – Kinetics and Organic Chemistry</b> Examination Extending AS work on kinetics and equilibria including acid equilibria. Extended work on isomerism and carbonyl chemistry. Aromatic chemistry (benzene), polymers, amino acids and proteins. Methods to determine the structure of organic compounds.</p> <p><b>Module 5 – Thermodynamics and Inorganic Chemistry</b> Examination Further physical chemistry; thermodynamics; (energy changes in chemical reactions), entropy and enthalpy changes. Further inorganic chemistry, especially the transition metals.</p> <p><b>Module 6 – PSA and ISA</b> Practical Skills Assessment in class and Investigation Skills Assessment by examination.</p>

## Assessment methods

For the AS course, the first Investigation Skills Assessment is taken in December and the second Investigation Skills Assessment is taken in April. All exams are taken in June. Module 1 may be retaken BUT for those considering a career in medicine, dentistry or veterinary science, most universities only consider the first module result (the result taken at the first sitting). The A2 course follows a similar pattern.

**What qualifications, skills and/or background experience or interests do you need to have to study this subject at AS and A2 level?**

- At least 7 GCSE's must be A\*/A/B, including **English Language** and **Maths**.
- At least grade B in Chemistry or A/A\* in GCSE Science AND GCSE Additional Science.
- A strong grounding in Mathematics is essential to success in Chemistry, at both AS and A2 level; students must be comfortable with Mathematics. **We recommend strongly that students taking Chemistry also take AS Mathematics.**

**For further information, contact Dr I. Barker.**

# Child Care and Education (Vocational A Level) (Level 3) (CACHE Award/Certificate and Diploma)

This is an ideal qualification if you are thinking of a career working with young children, going to university to study primary teaching, nursing or a course in Early Childhood Studies. This course is recognised by UCAS as equivalent to three A Levels.

This qualification is split into three stages; Award, Certificate and Diploma, with the Award and Certificate building towards the Level 3 Diploma. Students will progress through the Award and Certificate to complete the Diploma in order to practise as a Level 3 Early Years Practitioner, or to progress to further education.

## Course Outline

This is a two year full time course, with two days of every week spent on work placement.

## Type of Assessment

<b>Award</b>	<b>Certificate</b>	<b>Diploma</b>	Unit 1	An Introduction to Working with Children	Assessment task
			Unit 2	Development from Conception to Age 16 Years	Assessment task
			Unit 3	Supporting Children	Assessment task
			Unit 4	Keeping Children Safe	Assessment task
			Unit 5	The Principles Underpinning the Role of the Practitioner Working with Children	Assessment task
			External assessment; short answer test based on a seen case study		
			Unit 6	Promoting a Healthy Environment for Children	Assessment task (portfolio)
			Unit 7	Play and Learning in Children's Education	Assessment task (portfolio)
			Unit 8	Caring for Children	Assessment task (portfolio)
			Unit 9	Development of Professional Skills within Children's Education	Practice Evidence Records Professional Development Profiles and Placement Diary
			Unit 10-21	Optional Units – 3 to be chosen <i>Unit 12 – Nutrition and Healthy Food for Children</i> <i>Unit 16 – Developing Children's Communication, Language and Literacy Skills (3-8 years)</i>	Assessment task
			External assessment; research task		

**What qualifications, skills and/or background experience or interests do you need to have to study this subject?**

- Five or more A\* - D grades at GCSE, including English Language and Maths, which must both be at least a grade C.
- A genuine interest in working with children.
- Good communication skills.

**For further information contact Mrs A Hemingway.**

# Computing (A Level)

The course is not about learning to use tools or just training in a programming language. Instead the emphasis is on computational thinking. Computational thinking is a kind of reasoning used both by humans and machines and is an important life skill. Thinking computationally means using abstraction and decomposition. The study of computation is about what can be computed and how to compute it. Computer Science involves questions that have the potential to change how we view the world. For example, we may be computing with DNA at some stage in the future with computer circuits made of genes. This leads to the question; does the natural world 'compute'?

## Course Outline

<b>AS Level</b> - Comprises of two units of assessment. It may be awarded as a discreet qualification, or the first half of a full A-Level qualification.		<b>A2 Level</b> - Comprises of a further two units of assessment. Taken together with the two AS units, it leads to a full A-Level qualification.	
<b>Unit 1: Computer Fundamentals</b>  Hardware;  Software;  Data: its presentation, structure and management  Data transmission and networking;  Systems development life cycle;  Characteristics of information systems;  Implications of computer use;	<b>Unit 2: Programming Techniques and Logical Methods</b>  Designing solutions to problems;  The structure of procedural programs;  Data types and data structures;  Common facilities of procedural languages;  Writing maintainable programs;  Testing and running a solution;	<b>Unit 3: Advanced Computing Theory</b>  The function of operating systems;  The function and purpose of translators;  Computer architectures;  Data representation;  Data structures and data manipulation;  High-level language programming paradigms;  Programming techniques;  Low-level languages;  Databases;	<b>Unit 4: Computing Project</b>  Definition, investigation and analysis;  Design;  Software development and testing;  Documentation;  Evaluation;  The written report;
<b>ASSESSMENT</b> <b>Unit 1: Computer Fundamentals;</b> (50% of AS, 1.5 hour exam). <b>Unit 2: Programming Techniques and Logical Methods;</b> (50% of AS, 1.5 hour written exam). <b>Unit 3: Advanced Computing Theory;</b> (30% of A2, 2.5 hour exam)			

**What qualifications, skills and/or background experience or interests do you need to have to study this subject at AS and A2 level?**

- At least 7 GCSE's must be A\*/A/B, including **English Language** and **Maths**.
- This course concentrates on how computing systems work. When learning to programme you need accuracy and logic.
- A level Computing is more to do with the technical elements of computers, for example operating systems, software engineering and database design. It is less concerned with how to use ICT. Therefore having a good standard of ability in Maths is essential.

**For further information, contact Mr A Runciman**

# **Creative Media Production (Television and Film) (BTEC) (Level 3)**

The Edexcel BTEC Level 3 Certificate in Creative Media Production (Television and Film) (often referred to as Media BTEC) is a 30-credit and 180 guided learning hour qualification that consists of 2 mandatory units plus optional units that provide for a combined total of 30 credits (where at least 23 credits must be at Level 3 or above). This qualification is not designed to include credit from other QCF BTEC units.

**The units we will select from for the BTEC Nationals in Creative Media Production are**

- 1 Pre-Production Techniques for the Creative Media Industries
- 2 Communication Skills for Creative Media Production
- 8 Understanding the Television and Film Industries
- 16 Film and Video Editing Techniques
- 22 Single Camera Techniques
- 30 Advertisement Production for Television

**What qualifications, skills and/or background experience or interests do you need to have to study this subject?**

- Five or more A\*- D grades at GCSE, including English Language.

***For further information, contact Miss Seggie.***

## **Design and Technology: Product Design (A Level)**

This A level is aimed at students who have followed GCSE Design and Technology courses in Graphic Products, Product Design, Systems and Control and Resistant Materials. It allows students to continue developing their design and problem solving skills through a series of exercises.

The course is delivered through a range of assessed assignments as well as taught theory which relates to the property of materials, designing and making and methods of manufacture. Students will be given the opportunity to develop their ability to design on the computer and make solutions using Computer Aided Manufacture.

It is becoming apparent that many universities now see a Design and Technology A level as desirable for students who hope to read Engineering, Architecture or Industrial Design. This is because they have a good working knowledge of the design process, and would be expected to develop this further on real life projects with industrial sponsors.

**What qualifications, skills and/or background experience or interests do you need to have to study this subject at AS and A2 level?**

- Five or more A\*- C grades at GCSE including **English Language** and **Maths**.
- There is an emphasis on students developing their coursework through an independent approach, where progress is made between lessons.

***For further information, contact Mr Finn, Mr Birch or Mr Palmer.***

# Drama and Theatre Studies (A Level)

On this course you will gain a knowledge and understanding of theatre practice through your own engagement with theatre, both as participant and informed audience member. The course encompasses both the academic and practical aspects of theatre. You will study plays and practitioners, and will put your knowledge and research into practice in your own performances. At AS level you will develop performance and/or production skills as you work on a presentation of an extract from a play. Then at A level you will work on a piece of devised drama. You will also demonstrate the ability to analyse the ways in which different performance and production techniques are brought together to create theatre.

## Course Outline

AS	A2
<p style="text-align: center;"><b>Unit 1</b> <b>Live Theatre Production Seen and Prescribed Play</b></p> <p>Candidates' personal response to live theatre seen during the course. Interpretation of a set play from a performance perspective.</p> <p style="text-align: center;"><b>Unit 2</b> <b>Presentation of an Extract from a Play</b></p> <p>Working in groups of 2-8 performers, plus optionally, a director or designers, to present an extract from a published play chosen by the candidates. Study of an influential director, designer, theatre company or other practitioner (historical or contemporary), linked to the candidates' practical work.</p>	<p style="text-align: center;"><b>Unit 3</b> <b>Further Prescribed Plays including Pre - Twentieth Century.</b></p> <p>Study of two set plays, one to be pre-20<sup>th</sup> century (Section A) and the other 20<sup>th</sup> century or contemporary (Section B). Section B is synoptic and requires suggestions for a complete stage realisation of a short extract from the selected set text.</p> <p style="text-align: center;"><b>Unit 4: Presentation of Devised Drama</b></p> <p>Working in groups of 2-8 performers, plus optionally, a director or designers, to develop and present a piece of devised drama, performed in a theatrical style of the candidates' choice. Research into the selected theatrical style.</p>

Units 1 and 3 are assessed by written exam, and Units 2 and 4 are practical.

**What qualifications, skills and/or background experience or interests do you need to have to study this subject at AS and A2 level?**

- Five or more A\*- C grades at GCSE, including **English Language** and **Maths**.
- Extra-curricular drama experience.
- Acting or technical ability.
- Good research and writing skills.
- The ability to work both as part of a team and independently.

***For further information, contact Ms J Southwell***

# Economics (A Level)

## What topics will I study?

In GCE Economics you'll look at the fundamental forces which affect our lives, such as employment, prices, international trade and poverty. In Year 12 you'll focus on both Microeconomics and Macroeconomics. Microeconomics addresses issues such as: 'Why are house prices so high?', 'Can pollution effectively be controlled?' and 'Should governments interfere with markets?' The macroeconomic issues covered include: 'Why does the Government have an inflation rate target and how does it affect us?', 'What happens to the economy if people decide to spend more?' and 'How are we affected by the Chinese and Indian economies?'

## What skills will I learn?

Economics helps develop a number of personal skills:

- Research
- Analysis and evaluation
- Communication
- Working with others to discuss economic issues and solve economic problems

## AS outline

At AS you will study the following two units:

Unit 1: Markets and Market Failure

Unit 2: The National Economy

## A2 outline

At A2, you will develop the micro and macroeconomics already learnt at AS, considering economic concepts and theories in greater depth and recognising the values and limitations of economic models. Both A2 modules explore two contemporary and relevant contexts: the global context, which includes the impact of globalisation on UK economic performance; and the European Union context, embracing the effect of EU membership and economic policy on the UK economy:

Unit 3: Business Economics and the Distribution of Income

Unit 4: The National and International Economy

## How will I be assessed?

Each year you will have two written exams. Each paper accounts for 50% of the marks for that year. There is a mix of short answer questions and a choice of questions where you can give longer, more detailed answers. You will have the opportunity to resit the papers to improve your marks.

## What qualifications, skills and/or background experience or interests do you need to have to study this subject at AS and A2 level?

- Five or more A\*- C including **English Language** and **Maths**.
- As Economics is a living subject, an interest in current affairs is desirable.

***For more information please contact Mr D Lythgoe, Mrs S Robinson or Mr A Winter.***

## **Engineering (BTEC) (Level 3)**

This is a new course for September 2013. Further details about this course will be available soon from the school website: [www.trinity.cumbria.sch.uk](http://www.trinity.cumbria.sch.uk)

# English Language (A Level)

A level English Language involves the study of written and spoken English, including changes in language over time. There is a mixture of analytical examination-based study and more creative original-writing opportunities.

## Course Outline and Assessment

AS	A2
<p><b>Module 1: Categorising Texts</b> This module focuses candidates' attention to the linguistic aspects of various texts including audience and context.</p> <p>Written examination (2 hours).</p> <p><b>Module 2: Creating Texts</b> In this module candidates' control of their own writing for different purposes and audiences is developed.</p> <p>Coursework.</p>	<p><b>Module 3: Developing Language</b> In this module candidates are focused on two specific areas of language study: language acquisition and language change.</p> <p>Written examination (2 hours).</p> <p><b>Module 4: Investigating Language</b> In this module candidates apply their knowledge of conceptual frameworks gained in Modules 1, 2 and 3 to a research project of their choice.</p> <p>Coursework.</p>

**What qualifications, skills and/or background experience or interests do you need to have to study this subject at AS and A2 level?**

- Five or more A\*- C grades, including **English Language** and **Maths**.
- A grade B or above in GCSE English Language is generally required.
- An interest in creative writing, media and popular authors.
- A passion for reading, both fiction and non-fiction.

***For further information, contact Mrs P Jefferies.***

# English Literature (A Level)

This course involves the detailed analysis of texts by reading, writing, speaking and listening.

## Course Outline

AS	A2
<p><b>Module 1</b> <b>Aspects of Narrative</b> Two novels and two poets work to study Examination</p> <p><b>Module 2</b> <b>Dramatic Genres</b> The genre of comedy Two plays including one Shakespeare Coursework</p>	<p><b>Module 3</b> <b>Texts and Genre</b> Three texts for study. Focus on elements of the gothic Examination</p> <p><b>Module 4</b> <b>Further and Independent Reading</b> Minimum of two new texts to study Comparative coursework.</p>

**What qualifications, skills and/or background experience or interests do you need to have to study this subject at AS and A2 level?**

- Five or more A\*- C grades at GCSE, including **English Language** and **Maths**.
- A grade B or above in GCSE English Literature is generally required.
- A passion for reading fiction: classic and modern literature.

***For further information, contact Mrs P Jefferies.***

# French (A Level)

Continuing the study of a foreign language has never been more important, a message frequently heard nowadays in schools, in the media and from employers.

Language is about communication. Studying a language at A level does involve learning about grammar and structure but it also increases awareness and knowledge of different societies and cultures and develops the skills and confidence to communicate with others whatever the language.

## Course Outline

We study a wide range of social, cultural and literary topics, including films and music, mostly of contemporary relevance using the most up to date technology available. Topics covered are as follows:

AS	A2
<p style="text-align: center;"><b>Media</b> TV, advertising and communication technology</p> <p style="text-align: center;"><b>Popular Culture</b> Cinema, music and fashion/trends</p> <p style="text-align: center;"><b>Healthy Living/Lifestyle</b> Sport/exercise, health and well-being and holidays</p> <p style="text-align: center;"><b>Family/Relationships</b> Relationships within the family, friendships and marriage/partnerships.</p>	<p style="text-align: center;"><b>Environment</b> Pollution, energy and protecting the planet</p> <p style="text-align: center;"><b>The Multi-Cultural Society</b> Immigration, integration and racism</p> <p style="text-align: center;"><b>Contemporary Social Issues</b> Wealth and poverty, law and order and the impact of scientific and technological progress</p> <p style="text-align: center;"><b>Cultural Topic</b> The study of a target language-speaking region/community or the study of a period of 20<sup>th</sup> century history from a target language-speaking country/community or the study of a novelist/dramatist/poet from a target language-speaking country/community or the study of a director/architect/musician/painter from a target language-speaking country/ community.</p>

## Assessment Methods

AS	A2
<p style="text-align: center;">Unit 1: Listening, Reading and Writing Unit 2: Speaking Test</p>	<p style="text-align: center;">Unit 3: Listening, Reading and Writing Unit 4: Speaking Test</p>

**What qualifications, skills and/or background experience or interests do you need to have to study this subject at AS and A2 level?**

- At least 7 GCSE's must be A\*/A/B, including **English Language** and **Maths**.
- B or above in French at GCSE. This is especially important to cope with the higher level of language.

***For further information contact Mr D Spark.***

# Geography (A Level)

Increasingly, Geography is about the big issues that face us all, from the transport choices that we make to how we might want our food to be produced to how we might want our cities to look. To be successful our students must be prepared to become increasingly informed on items that are in the media every week such as immigration and flooding. Fieldwork is a compulsory part of Geography in the Sixth Form, and students will normally be away from school for a number of single day visits.

## Course Outline

AS	A2
<p><b>Unit 1: Global Challenges</b> Two compulsory topics:</p> <p>1 – The World at Risk 2 – Going Global</p> <p>This contributes to 60% of the AS mark at the end of Year 12.</p> <p><b>Unit 2: Geographical Investigations</b> Choose <i>two</i> topics from four, one must be physical and one must be human:</p> <p>Extreme Weather Crowded Coasts Unequal Spaces Rebranding Places</p> <p>This contributes to 40% of the total AS mark at the end of Year 12.</p>	<p><b>Unit 3: Contested Planet</b> Six compulsory topics</p> <p>1 – Energy Security 2 – Water Conflicts 3 – Biodiversity 4 – Superpowers 5 – The Development Gap 6 – The Technological Fix</p> <p><b>Unit 4: Geographical Research</b> Students select and study one of the research options:</p> <p>Tectonic Activity and Hazards Cold Environments Life on the Margins – Food Supply The World of Cultural Diversity Pollution and Human Health The Rural Landscape</p>

## Assessment Methods

In Year 12, students will take one examination on Global Challenges lasting 1 hour 30 minutes, and one examination on Geographical Investigations lasting 1 hour 15 minutes. In Year 13, students will take one examination lasting 2 hours 30 minutes, and one examination lasting 1 hour 30 minutes.

**What qualifications, skills and/or background experience or interests do you need to have to study this subject at AS and A2 level?**

- Five or more A\* - C grades at GCSE, including **English Language** and **Maths**.
- C or above in GCSE Geography is essential. It is vital that students who wish to study AS or A2 Geography are prepared to read from quality sources and are prepared to take a great responsibility for keeping themselves informed on current affairs.

**For further information, contact Mr G Stables ([gsb@trinity.cumbria.sch.uk](mailto:gsb@trinity.cumbria.sch.uk)).**

# German (A Level)

Continuing the study of a foreign language has never been more important, a message frequently heard nowadays in schools, in the media and from employers.

Language is about communication. Studying a language at A level does involve learning about grammar and structure but it also increases awareness and knowledge of different societies and cultures and develops the skills and confidence to communicate with others whatever the language.

## Course Outline

We study a wide range of social, cultural and literary topics, including films and music, mostly of contemporary relevance using the most up to date technology available. Topics covered are as follows:

AS	A2
<p><b>Media</b> TV, advertising and communication technology</p> <p><b>Popular Culture</b> Cinema, music and fashion/trends</p> <p><b>Healthy Living/Lifestyle</b> Sport/exercise, health and well-being and holidays</p> <p><b>Family/Relationships</b> Relationships within the family, friendships and marriage/partnerships.</p>	<p><b>Environment</b> Pollution, energy and protecting the planet</p> <p><b>The Multi-Cultural Society</b> Immigration, integration and racism</p> <p><b>Contemporary Social Issues</b> Wealth and poverty, law and order and the impact of scientific and technological progress</p> <p><b>Cultural Topic</b> The study of a target language-speaking region/community or the study of a period of 20<sup>th</sup> century history from a target language-speaking country/community or the study of a novelist/dramatist/poet from a target language-speaking country/community or the study of a director/architect/musician/painter from a target language-speaking country/ community.</p>

## Assessment Methods

AS	A2
<p>Unit 1: Listening, Reading and Writing Unit 2: Speaking Test</p>	<p>Unit 3: Listening, Reading and Writing Unit 4: Speaking Test</p>

**What qualifications, skills and/or background experience or interests do you need to have to study this subject at AS and A2 level?**

- At least 7 GCSE's must be A\*/A/B, including **English Language** and **Maths**.
- B or above in German at GCSE. This is especially important to cope with the higher level of language.

***For further information, contact Mr D Spark.***

# Health and Social Care (A Level) (Single and Double Award)

This course is available as a single or double award. At AS Level, single (three units) and double (six units) awards are available. At A2 Level, single (six units) and double (twelve units) awards are available.

This is a broad based vocational qualification that looks at many of the health and social issues concerning us as we move into the 21<sup>st</sup> century. Work placements and regular contributions from visiting speakers will help to extend your knowledge and understanding.

## Course Outline

Typical units include:

Unit No	Level	Unit Title and Description	Type of Assessment
1	AS	Promoting Quality Care ( <i>mandatory unit</i> )	Examination
2	AS	Communication in Care Settings ( <i>mandatory unit</i> )	Portfolio
3	AS	Promoting Good Health ( <i>mandatory unit</i> )	Portfolio
4	AS	Health and Safety in Care Settings	Examination
5	AS	Caring for People with Additional Needs	Portfolio
6	AS	Working in Early Years Care and Education	Portfolio
7	AS	Health as a Lifestyle Choice	Portfolio
8	AS	Complementary Therapies	Portfolio
9	AS	Caring for Older People	Examination
10	A2	Care Practice and Provision ( <i>mandatory unit</i> )	Portfolio
11	A2	Understanding Human Behaviour	Examination
12	A2	Anatomy and Physiology in Practice	Examination
13	A2	Child Development	Portfolio
14	A2	Mental Health Issues	Portfolio
15	A2	Social Trends	Examination
16	A2	Research Methods in Health and Social Care	Portfolio
17	A2	Crime and its Impact on Individuals and Society	Portfolio

## Assessment Methods

Externally assessed units will be assessed by a 1 hour 30 minute unit test. There will be a mix of short answer questions and structured questions. All other units are assessed through coursework assignments.

**What qualifications, skills and/or background experience or interests do you need to have to study this subject at AS and A2 level?**

- Five or more A\* - C grades at GCSE, including **English Language, Maths and Science**.
- Maths is particularly important at A2 level as Unit 15 requires the ability to read and analyse statistical data.
- Science is important as some units require a good understanding of body systems.
- English Language is important as you need to be able to write in a manner which conveys appropriate meaning using specialist vocabulary and accuracy. You are also required to critically analyse material and make realistic material judgements.
- You need to have an interest in people and demonstrate the ability to communicate with a range of client groups in different care settings e.g. residential homes, hospitals, day centres and nurseries.

**For further information, contact Mrs T Douglas.**

# History (A Level)

At A Level, students will develop their interest in and enthusiasm for History through the study of aspects of British and non-British History. Students will explore themes such as conflict and change across time and will consider the importance of significant individuals, events and developments from more than one country.

History is recognised as a valuable subject to have studied for a wide range of careers. In particular, it is useful for careers in Law and Journalism.

Students will be expected to demonstrate their understanding of the past through explanation, analysis and making substantiated judgement. This will also develop their skills in evaluating a range of appropriate source material.

## Course Outline

We follow the OCR syllabus A at A Level. For AS we study two units, the first of which is **The Condition in Britain 1815-53**, addressing four issues:

The Impact of Pre-Chartist Radicals 1815-37  
Problems arising in the Treatment of the Needs of Children  
The Significance of Poverty and Public Health  
Chartism

This is a document based paper.

The second unit, **From Autocracy to Communism Russia 1894 to 1941**, has six key issues:

Nicholas II 1894-1905  
Russia 1905 – 1914  
The Revolutions of 1917  
Lenin  
Stalin and his growth of power  
Stalin's Economic Policies

At A2 level we study an American History Unit, Civil Rights in the USA 1865 – 1992, concerning people's rights in the 20<sup>th</sup> century (black, women, native Americans, trade unions) and a coursework unit which has two parts. The Interpretations Unit is on Nazi Germany and the Investigations Unit is a topic of the student's own choice.

## Assessment Methods

Assessment will be through a combination of examination and coursework.

**What qualifications, skills and/or background experience or interests do you need to have to study this subject at AS and A2 level?**

- Five or more A\*- C grades at GCSE, including **English Language** and **Maths**. There is a lot of common ground shared between English Language and History as both involve the need to read, organise and structure a logical response to a question, and be able to argue a point coherently.
- It is helpful to have studied History at GCSE, preferably with grade B.
- You should enjoy researching History and finding out about people in the past. If you are enthusiastic about visiting castles and museums, finding out about your family tree or have an interest in current affairs then you should find that A level History will suit you.

***For further information, contact Ms L Hodgson, Ms L Campbell or Miss L Ball.***

# IT (BTEC) (Level 3) (Certificate & Subsidiary Diploma)

## What is a BTec in IT?

This qualification gives students the knowledge, understanding and skills that they need to prepare for employment in the IT industry or to progress to study IT or related areas at college or university.

## Course Outline

### Exam Board: Edexcel

**In Year 12** students will work towards achieving the **BTEC Level 3 Certificate in IT** and **in Year 13** students will work towards gaining the **BTEC Level 3 Subsidiary Diploma in IT**.

For both qualifications students will complete the following **2** core units and some of the optional units (listed below) in consultation with staff:

### Core Units

- Communication and Employability Skills for IT
- Computer Systems

### Optional Units

- Database Design
- Computer Systems Architecture
- Client Side Customisation of Web Pages
- Developing Computer Games
- Controlling Systems Using IT
- Maintaining Computer Systems
- Web Server Scripting
- Website Production
- Installing and Upgrading Software
- Digital Graphics
- Computer Animation

(The full list is available on [www.edexcel.com](http://www.edexcel.com))

## Assessment Methods

On successful completion of all the unit requirements students will be awarded a **pass, merit or distinction**:

- to achieve a 'pass' a student must have satisfied **all** the pass assessment criteria
- to achieve a 'merit' a student must additionally have satisfied **all** the merit grading criteria
- to achieve a 'distinction' a student must additionally have satisfied **all** the distinction grading criteria.

## What qualifications, skills and/or background experience or interests do you need to have to study this subject?

- Five or more A\* - D grades at GCSE, including English Language **or** Maths at C or above.
- You should have an interest in IT.

**For more information contact Mrs D Webb, Mr A Runciman or Mr A Winter.**

# Italian (A Level)

Continuing the study of a foreign language has never been more important, a message frequently heard nowadays in schools, in the media and from employers.

Language is about communication. Studying a language at A level does involve learning about grammar and structure but it also increases awareness and knowledge of different societies and cultures and develops the skills and confidence to communicate with others whatever the language.

## Course Outline

We study a wide range of social, cultural and literary topics, including films and music, mostly of contemporary relevance using the most up to date technology available. Topics covered are as follows:

AS	A2
<p style="text-align: center;"><b>Media</b> TV, advertising and communication technology</p> <p style="text-align: center;"><b>Popular Culture</b> Cinema, music and fashion/trends</p> <p style="text-align: center;"><b>Healthy Living/Lifestyle</b> Sport/exercise, health and well-being and holidays</p> <p style="text-align: center;"><b>Family/Relationships</b> Relationships within the family, friendships and marriage/partnerships.</p>	<p style="text-align: center;"><b>Environment</b> Pollution, energy and protecting the planet</p> <p style="text-align: center;"><b>The Multi-Cultural Society</b> Immigration, integration and racism</p> <p style="text-align: center;"><b>Contemporary Social Issues</b> Wealth and poverty, law and order and the impact of scientific and technological progress</p> <p style="text-align: center;"><b>Cultural Topic</b> The study of a target language-speaking region/community or the study of a period of 20<sup>th</sup> century history from a target language-speaking country/community or the study of a novelist/dramatist/poet from a target language-speaking country/community or the study of a director/architect/musician/painter from a target language-speaking country/ community.</p>

## Assessment Methods

AS	A2
<p style="text-align: center;">Unit 1: Listening, Reading and Writing Unit 2: Speaking Test</p>	<p style="text-align: center;">Unit 3: Listening, Reading and Writing Unit 4: Speaking Test</p>

**What qualifications, skills and/or background experience or interests do you need to have to study this subject at AS and A2 level?**

- At least 7 GCSE's must be A\*/A/B, including **English Language** and **Maths**.
- B or above in Italian at GCSE. This is especially important to cope with the higher level of language

***For further information, contact Mr D Spark.***

# Law (A Level)

Law affects everything that we do: work, shopping, driving, education. Studying Law will help you understand how society works, how government works and your rights and obligations.

At the end of the course you will have an extensive knowledge of a very useful subject and no-one will ever confuse you with legal jargon again. If you are intending to study Law at university, the course will give you an excellent grounding in the basics of any Law course.

## Course outline

AS	A2
<p><b>Unit 1: Law Making and the Legal System</b></p> <p><b>Section A</b>            Parliamentary law making            Delegated legislation            Judicial precedent            Statutory interpretation</p> <p><b>Section B</b>            Civil Courts            Criminal Courts, juries, magistrates            The Legal Profession and legal funding            The Judiciary</p> <p><b>Unit 2: The Concept of Liability</b></p> <p><b>Section A</b>            Criminal Law: actus reus and mens rea            Non-fatal offences            Sentencing            Criminal Court procedure</p> <p><b>Section B</b>            Civil Law : The tort of negligence            Damages            Civil Court procedure</p>	<p><b>Unit 3: Fatal and Non-Fatal Offences</b>            Murder, manslaughter, actual bodily harm, grievous bodily harm, wounding, assault, battery, insanity, automatism, intoxication, consent, self-defence</p> <p><b>Unit 4: Offences Against Property</b>            Theft, robbery, burglary, fraud, blackmail, making off.            Intoxication, duress, self-defence</p> <p style="text-align: center;">and</p> <p><b>Concepts of Law</b>            Law and morality, law and justice, fault, balancing interests, judicial creativity</p>

## Assessment Methods

Each unit is assessed separately. Unit 1 is composed of essay questions. Units 2, 3 and 4 are case studies. There is no coursework. Unit 1, 2, 3 papers are one and a half hours long. Unit 4 is two hours long.

**What qualifications, skills and/or background experience or interests do you need to have to study this subject at AS and A2 level?**

- Five or more A\*- C grades at GCSE, including **English Language** and **Maths**.
- A grade B in GCSE English Language is preferable.
- You will need to be able to write clearly and logically and explain and analyse legal problems.
- If you have an existing interest in law and politics, this would be a good start. Reading good quality newspapers and watching television programmes (fact or fiction) with a legal content would be an advantage.

**For further information, contact Mrs C Heslop.**

# Mathematics (A Level)

Since the beginnings of academic study, Mathematics has been singled out as the purest of all the sciences. It is the basis of the majority of work that goes on in business, science, medicine and engineering. Mathematics equips students with not only a technical ability to solve problems, but an analytical mind that is better able to solve problems.

The AS/A2 course was redesigned in 2004 to remove the 'jump' from GCSE to A-Level and the new format is accessible to most students who have studied at the higher tier level at GCSE.

## Course Outline and Assessment

AS Level (Year 12)	A2 Level (Year 13)
<p><b>Core Pure Maths 1</b> Algebra Polynomials Co-ordinate Geometry Differentiation Integration</p>	<p><b>Core Pure Maths 3</b> Functions Differentiation Trigonometric Functions Exponentials and Logarithms Integration Numerical Methods</p>
<b>1 hour 30 minute exam</b>	<b>1 hour 30 minute exam</b>
<p><b>Core Pure Maths 2</b> Transformations Sequences and Series Trigonometry Indices and Logarithms Differentiation Integration</p>	<p><b>Core Pure Maths 4</b> Algebra Binomial Series Exponential Models Calculus Vectors</p>
<b>1 hour 30 minute exam</b>	<b>1 hour 30 minute exam</b>
<p>Statistics 1 Numerical Measures Probability The Binomial Distribution The Normal Distribution Estimation Correlation and Regression</p>	<p>Discrete Maths 1 Algorithms Graphs and Networks Connector Problems Paths Route Inspection Travelling Salesperson Linear Programming</p>
<b>TBC - 1 hour 30 minute exam</b>	<b>TBC - 1 hour 30 minute exam</b>

**What qualifications, skills and/or background experience or interests do you need to have to study this subject at AS and A2 level?**

- At least 7 GCSE's must be A\*/A/B, including **English Language** and **Maths**.
- You will have studied Maths at higher tier level at GCSE and gained a minimum of a grade B.
- You need to be able to work very hard and understand a large amount of precise techniques that you will use throughout the year.
- You need to be able to present complete solutions to problems and understand the need for rigour in proof.

**For further information, contact Mr A Orton or Mr R Dixon.**

# Mathematics plus Further Mathematics (A Level)

## Course Outline and Assessment

### Year 12

Students complete the normal six modules of A2 Maths during Year 12. The modules they will study are:

- Mechanics 1 (exam)
- Further Pure Maths 1 (exam)
- Further Pure Maths 2 (exam)

At the end of Year 12 the students will have an AS qualification in Maths and Further Maths and will receive an A2 grade in Maths in Year 13.

### **What qualifications, skills and/or background experience or interests do you need to have to study this subject at A2 level?**

- At least 7 GCSE's must be A\*/A/B, including **English Language** and **Maths**.
- You will have studied Maths at higher tier level at GCSE and gained a minimum of a grade A.
- You need to enjoy using algebraic techniques and the more abstract elements of Maths.
- You need to be able to present complete solutions to problems and understand the need for rigour in proof.
- You will intend to study Maths or another mathematical based subject at degree level.

***For further information, contact Mr A Orton or Mr R Dixon.***

# Media Studies (A Level)

Television, radio, films, newspapers, magazines, and the internet all shape how we make sense of the world and relate to those around us. In the 21<sup>st</sup> century the media influences our lives more than ever and A level Media Studies involves the study of that influence. The course gives opportunities to investigate a wide range of media texts and also to create practical projects.

## Course Outline

AS	A2
<b>Unit 1: Investigating Media</b> Understanding Media Language Case study of a topic e.g. film, fiction, documentary or news.	<b>Unit 3: Critical Perspectives</b> Analysing media products and processes through the study of two topics e.g. representation in the media and the impact of new/digital media
<b>Unit 2: Creating Media</b> Production of two media products, acting on a choice of given briefs from broadcasting, print or e-media, a cinema trailer or a print based advertising campaign	<b>Unit 4: Research and Production</b> Critical investigation Linked production piece

## Assessment Methods

There is a strong practical element with two media productions at AS chosen from broadcast, print based or e-media; and at A2 a media product linked to their own research.

Unit 1: 1 hour 30 minute examination

Unit 2: Internally examined and externally moderated

Unit 3: 1 hour 30 minute examination

Unit 4: Internally examined and externally moderated

**What qualifications, skills and/or background experience or interests do you need to have to study this subject at AS and A2 level?**

- Five or more A\*- C grades at GCSE, including **English Language** and **Maths**.
- Students who choose Media Studies at AS/A level must have good general knowledge and an insatiable curiosity about the world around them and how events are presented to them through the Media.

***For further information, contact Mrs S Johnston or Mr D Medley.***

# Music (A Level)

The Music course gives scope for the development of individual interests and aptitudes. During the course students will:

- Extend their skills and understanding of music through performance
- Develop their appreciation of a wide variety of music
- Increase their creative development through composing

## Course Outline and Assessment Methods

### Unit 1: Performing

#### Content summary:

This unit gives students the opportunities to perform as soloists and/or as part of an ensemble. Teachers and students can choose music in any style. Any instrument(s) and/or voice(s) are acceptable as part of a five-six minute assessed performance. Notated and/or improvised performances may be submitted.

#### Assessment:

The music performed is chosen and assessed by the centre and moderated by Edexcel.

### Unit 2: Composing

#### Content summary:

This unit encourages students to develop their composition skills leading to the creation of a three-minute piece in response to a chosen brief. Students also write a CD sleeve note to describe aspects of their final composition and explain how other pieces of music have influenced it.

#### Assessment:

In September of each year Edexcel will publish on its website ([www.edexcel.com](http://www.edexcel.com)) a document entitled *Unit 2: Composing*. Section A will contain four composition briefs from which students will select one as the basis for a three-minute composition. In Section B students will answer three questions to provide information that could be used for a CD sleeve note to accompany their composition. Both sections of the examination must be completed under controlled conditions. The composition and CD sleeve note will be externally assessed.

### Unit 3: Developing Musical Understanding

#### Content summary:

This unit focuses on listening to familiar music and understanding how it works. Set works from the anthology provide the focus for the first two sections, through listening and studying scores. It is recommended that students familiarise themselves with each work as a whole, before learning how to identify important musical features and social and historical context. In the third section, students use a score to identify harmonic and tonal features and then apply this knowledge in the completion of a short and simple passage for SATB.

#### Assessment:

Assessment is through a 2-hour examination paper set and marked by Edexcel. There are three sections: Section A: Listening; Section B: Investigating musical styles, and Section C: Understanding Chords and Lines. Section A requires students to listen to extracts of music: and one CD per examination centre will be provided by Edexcel. In Section C, students may use a keyboard with headphones. A skeleton score is provided for Section A. Students are given five minutes' reading time at the start of the examination. Students will **not** have access to copy of the anthology during the examination nor to any musical software for Section C.

#### A2 Units:

Unit 4 – Extended Performance

Unit 5 – Compositional and Technical Study

Unit 6 – Further Musical Understanding

### What qualifications, skills and/or background experience or interests do you need to have to study this subject at AS and A2 level?

- Five or more A\*- C grades at GCSE, including **English Language** and **Maths**.
- Grade 5 Theory of music.
- Grade 5 or equivalent Instrumental skills.
- B or above in GCSE Music is essential.

**For further information, contact Mrs A Richardson or Mr C Vernon.**

# Philosophy and Ethics (A Level)

Any student who has a questioning, philosophical, reflective mind will find this course stimulating, rewarding and enjoyable. It combines academic study with unrivalled opportunities for inquisitive young people to develop their own moral and spiritual convictions, by deliberating the big questions of life that have fascinated the greatest human minds. The course also lays an excellent foundation for further study in many disciplines (Law, Psychology, History, Literature, Medicine, Theology etc) and for a career in many professions.

## Course Outline and Assessment Methods

AS	A2
<p>Candidates study two complementary areas:</p> <p>Philosophy examines the major influences on modern Western thought (philosophers, writings and ideas). Arguments for the existence of God are examined, along with alternative world views, the challenges of psychology, natural sciences and the problem of evil.</p> <p>Ethics examines the thinking of moral philosophers and systems based on their ideas. It also looks at the practical application of ethical ideas to moral questions in the modern world, particularly in relation to medical and scientific advances.</p>	<p>Candidates continue the study of Philosophy and Ethics:</p> <p>Philosophical content includes the study of ideas of 'soul' and 'life after death', the nature of spiritual experience, the nature of God, and the concept of miracle and the interpretation of religious language.</p> <p>The Ethics module considers topics such as freedom and determinism, the nature of conscience, environmental ethics, the ethics of sex and relationships, business ethics, meta ethics.</p>

## Assessment Methods

AS Level – two examinations both 1 hour 30 minutes.

A2 Level – two examinations both 1 hour 30 minutes.

**What qualifications, skills and/or background experience or interests do you need to have to study this subject at AS and A2 level?**

- Five or more A\*- C grades at GCSE, including **English Language** and **Maths**.
- A GCSE in Religious Studies is not necessary but you must have a B grade short course GCSE.
- English is important as you need to read extended documents and write in a clear and coherent manner in order to evaluate and assess the work of philosophers.

***For further information contact Mrs A Shore.***

# Photography (A Level)

This is a course for students who are interested in Photography as an art and media medium. Students will explore and use a variety of methods and techniques, from that of traditional photography to digital image making.

Work in Photography should form a means of personal enquiry and expression involving the selection and manipulation of images. Students must employ creative approaches which go beyond more observation and recording. This year we visited London, last year we visited Prague and we hope to plan a new Art/Photography trip in 2013. Students are also encouraged to submit their work for Aerie International, the International Literary Arts Magazine

## Course Outline and Assessment

AS	A2
<p><b>Unit 1: Portfolio</b>            Coursework - 50% of total AS marks, 25% of total A level marks            80 marks            Portfolio of lively and exciting work carried out in Year 12            Marked as a whole            Internally marked and moderated by AQA by a visit to the centre</p>	<p><b>Unit 3: Personal Investigation</b>            Coursework – 25% of total A level marks            80 marks            Personal investigation based on idea, issue, concept or theme            Supported by 1000 - 3000 words            Marked as a whole            Internally marked and moderated by AQA by a visit to the centre</p>
<p><b>Unit 2: Externally - Set Assignment</b>            50% of total AS marks, 25% of total A level marks            80 marks            Assignment issued to candidates on 1 February            Supervised time 5 hours            Marked as a whole            Internally marked and moderated by AQA by a visit to the centre</p>	<p><b>Unit 4: Externally - Set Assignment</b>            25% of total A Level marks            80 marks            Assignment issued to candidates on 1 February            Supervised time 15 hours            Marked as a whole            Internally marked and moderated by AQA by a visit to the centre</p>

**What qualifications, skills and/or background experience/interests do you need to have to study this subject at AS and A2 level?**

- Five or more A\*- C grades at GCSE, including **English Language** and **Maths**.
- A grade B or above in GCSE Art, Graphics, Textiles or Media is generally required.

***For further information, contact Mr D Lush or Mr S Quigley.***

# Physical Education (A Level)

The aim of the course is to study physical education and sport through a combined practical and theoretical approach. The course is designed to enrich understanding of a representative selection of physical education activities.

## Course Outline and Assessment Methods

AS	A2
<p style="text-align: center;"><b>Unit G451 – An Introduction to Physical Education</b></p> <p>Candidates will acquire an appreciation of topic areas including anatomy and physiology, acquiring movement skills and socio-cultural studies relating to participation in physical activity</p> <p style="text-align: center;"><b>Unit G452 – Acquiring, Developing and Evaluating Practical Skills in Physical Education</b></p> <p>Candidates will experience activities from across different activity areas and work towards responding to a live performance in one of their assessed activities</p>	<p style="text-align: center;"><b>Unit G453 – Principles and Concepts Across Different Areas of Physical Education</b></p> <p>Comprises of socio-cultural options, historical studies and comparative studies and</p> <p style="text-align: center;">Scientific options: sports psychology, biomechanics and exercise and sport physiology</p> <p style="text-align: center;"><b>Unit G454 – The Improvement of Effective Performance and the Critical Evaluation of Practical Activities in Physical Education</b></p> <p>Candidates will build upon the skills acquired and developed in Unit G452 in one of their chosen activities and work towards responding to a live performance in their own assessed activity.</p>

## Assessment Methods

Unit G451 is externally set and externally assessed by means of a written paper (2 hours).

Unit G452 is externally set, internally assessed and externally moderated. Candidates are assessed in two chosen activities from two different activity areas and in response to a live performance.

Unit G453 is externally set and externally assessed by means of a written paper (2 hours 30 minutes).

Unit G454 is externally set, internally assessed and externally moderated. Candidates are assessed in one chosen activity and in response to a live performance.

## What qualifications, skills and/or background experience or interests do you need to have to study this subject at AS and A2 level?

- Five or more A\*- C grades at GCSE, including **English Language** and **Maths**.
- A grade B or above in GCSE Science is required.
- An interest in Biology is particularly relevant to the physiological aspects of the course.
- A keen interest in sport in general and a good level of practical ability in at least two sports.
- There is also the expectation that students taking this subject will be a member of a sports club outside of school.

***For further information, contact Miss J Atkinson or Mr W Phillips.***

# Physics (A Level)

Physicists are in short supply. An A level in Physics is needed for a range of scientific, engineering and medical courses at university, as well as leading to a large number of Physics-related courses, such as Astrophysics or Medical Physics. This course is designed to provide a deep and profound understanding of the fundamental principles that help to explain how the world works.

**There is a substantial mathematical element to the course and students not taking A level Mathematics should think carefully before embarking on A level Physics. A substantial amount of private study is necessary in order to keep up with the requirements of this course.**

## What Do You Study?

AS Modules	A2 Modules
<p><b>Unit 1</b> Particle Physics, Quantum Phenomena, Electricity</p>	<p><b>Unit 4</b> Further Mechanics, Circular Motion, SHM, Gravitational/Electric/Magnetic Fields, Capacitance, Electromagnetic Induction</p>
<p><b>Unit 2</b> Statics and Dynamics, Properties of Materials, Waves, Optics</p>	<p><b>Unit 5</b> <b>A</b> – Thermodynamics and Nuclear Physics <b>B</b> – Choice of One of Four Option Topics</p>
<p><b>Unit 3 (Practical Skills)</b> Selection of Apparatus, Data Processing, Observation and Measurements, Analysis and Evaluation of Results</p>	<p><b>Unit 6</b> Selection of Apparatus, Data Processing, Observation and Measurements, Analysis and Evaluation of Results</p>

## How Is The Course Examined?

AS	A2
<p><b>Unit 1</b> Written paper: (1 hour 15 minutes) Weighting: 20% of A-level Comprises 6 or 7 compulsory, structured questions</p>	<p><b>Unit 4</b> Written paper: (1 hour 45 minutes) Weighting: 20% of A-level <b>Section A</b> – 25 multiple choice questions <b>Section B</b> – 4 or 5 structured questions All questions are compulsory</p>
<p><b>Unit 2</b> Written paper: (1 hour 15 minutes) Weighting: 20% of A-level Comprises 6 or 7 compulsory, structured questions</p>	<p><b>Unit 5</b> Written paper: (1 hour 45 minutes) Weighting: 20% of A-level <b>A</b> – Nuclear &amp; Thermal Physics <b>B</b> – 4 or 5 structured questions on one of the Option Topics All questions are compulsory</p>
<p><b>Unit 3</b> Externally Marked Practical Assessment (EMPA) Weighting: 10% of A-level</p>	<p><b>Unit 6</b> Externally Marked Practical Assessment (EMPA) Weighting: 10% of A-level</p>

**What qualifications, skills and/or background experience/interests do you need to have to study this subject at AS and A2 level?**

- At least 7 GCSE's must be A\*/A/B, including **English Language** and **Maths**.
- Grade B in Physics or BB in Science and Additional Science at GCSE
- The ability to be able to work independently and as part of a team
- The ability to work logically and methodically in order to solve a problem

**For further information, contact Mr M Davidson.**

# Psychology (A Level)

Psychology is all around us. It is about understanding human behaviour and thinking processes: what makes us tick and why we do what we do. It touches virtually every aspect of your life. Psychological theories and research have influenced our laws and public policy on such matters as discrimination, capital punishment and education and have provided evidence on the harmful effects of television violence.

## Course Outline and Assessment Methods

AS	A2
<p><b>Unit 1: Introducing Psychology</b> Key approaches in psychology, biopsychology, physiological psychology, the genetic basis of behaviour</p> <p>Gender development, concepts and explaining gender development</p> <p>Research methods, planning research, experimental and non-experimental methods, representing data and descriptive statistics, ethics</p> <p><b>Unit 2: Social Psychology, Cognitive Psychology and Individual Differences</b> Social influence or social cognition</p> <p>Cognitive psychology, remembering and forgetting or perceptual processes</p> <p>Individual differences, anxiety disorders of autism</p>	<p><b>Unit 3: Child Development and Applied Options</b> Cognitive development Cognition and law Forensic psychology</p> <p><b>Unit 4: Approaches, Debates and Methods in Psychology</b> Biological approach, behaviourism, social learning theory, cognitive, psychodynamic and humanistic approach</p> <p>Comparison of approaches</p> <p>Debates in psychology</p> <p>Methods in psychology, inferential statistics, issues in research</p>

## Assessment Methods

Each unit is assessed separately. At AS level, both examinations are 1 hour 30 minutes long. At A2 level, both papers are 2 hours long.

## What qualifications, skills and/or background experience or interests do you need to have to study this subject at AS and A2 level?

- Five or more A\*- C at GCSE, including **English Language, Maths and Science**.
- Maths is important at both levels but especially important at A2 where an understanding of advanced level statistics is required.
- English is important as you need to be able to think logically, write clearly and accurately to evaluate evidence and arguments in detail.
- You need to have an interest in people; a curiosity in what you and others are all about is essential for Psychology.
- You do not need to have studied Psychology at GCSE.

**For further information contact Ms D Hopley.**

# Sociology (A Level)

Sociology looks at the structure and organisation of society. It investigates the influences that affect how people live. This course provides tools whereby students can analyse critically the society in which they live. Sociologists do not just accept the truth of what people say, they probe beneath the surface of society to find out what is actually going on.

## Course Content and Assessment

AS	A2
<p style="text-align: center;"><b>Unit 1: Families and Households</b> This unit looks at changes in family and household structure, changing patterns of marriage, co-habitation, divorce as well as gender roles and power relationships.</p> <p style="text-align: center;"><b>Unit 2: Education and Sociological Methods</b> This unit looks at the role of the education system, different explanation of the different achievements of social groups – class, gender, ethnicity, and the significance of education policies.</p>	<p style="text-align: center;"><b>Unit 3: Beliefs in Society</b> This unit examines the role of religion, and the nature and extent of secularisation, etc. as well as looking at sects, cults, denomination and churches today.</p> <p style="text-align: center;"><b>Unit 4: Crime and Deviance</b> This unit looks at different explanations of the social distribution of crime and deviance by age, class, gender, ethnicity, as well as issues arising from the study of suicide.</p> <p style="text-align: center;"><b>Theory and Methods</b> Quantitative and qualitative methods of research, sources of data, the nature of sociological thought.</p>

## Assessment Methods

Each unit is assessed separately by examination.

Unit 1 – 1 hour written examination	=	40% AS and 20% of A level
Unit 2 – 2 hour written examination	=	60% AS and 30% of A level
Unit 3 – 1 hour 30 minutes written examination	=	20% A level
Unit 4 – 2 hour written examination	=	30% A level

**What qualifications, skills and/or background experience or interests do you need to have to study this subject at AS and A2 level?**

- Five or more A\*- C grades at GCSE, including **English Language** and **Maths**.
- English is important as you need to be able to think logically, write clearly and accurately to evaluate evidence and arguments in detail.
- You should have an interest in society and how it works.

***For further information, contact Miss H Bamforth.***

# Spanish (A Level)

Continuing the study of a foreign language has never been more important: a message frequently heard nowadays in schools, in the media and from employers.

Language is about communication. Studying a language at A level does involve learning about grammar and structure but it also increases awareness and knowledge of different societies and cultures and develops the skills and confidence to communicate with others whatever the language.

## Course Outline

We study a wide range of social, cultural and literary topics, including films and music, mostly of contemporary relevance using the most up to date technology available. Topics covered are as follows:

AS	A2
<p><b>Media</b> TV, advertising and communication technology</p> <p><b>Popular Culture</b> Cinema, music and fashion/trends</p> <p><b>Healthy Living/Lifestyle</b> Sport/exercise, health and well-being and holidays</p> <p><b>Family/Relationships</b> Relationships within the family, friendships and marriage/partnerships.</p>	<p><b>Environment</b> Pollution, energy and protecting the planet</p> <p><b>The Multi-Cultural Society</b> Immigration, integration and racism</p> <p><b>Contemporary Social Issues</b> Wealth and poverty, law and order and the impact of scientific and technological progress</p> <p><b>Cultural Topic</b> The study of a target language-speaking region/community or the study of a period of 20<sup>th</sup> century history from a target language-speaking country/community or the study of a novelist/dramatist/poet from a target language-speaking country/community or the study of a director/architect/musician/painter from a target language-speaking country/ community.</p>

## Assessment Methods

AS	A2
<p>Unit 1: Listening, Reading and Writing Unit 2: Speaking Test</p>	<p>Unit 3: Listening, Reading and Writing Unit 4: Speaking Test</p>

**What qualifications, skills and/or background experience or interests do you need to have to study this subject at AS and A2 level?**

- At least 7 GCSE's must be A\*/A/B, including **English Language** and **Maths**.
- B or above in Spanish at GCSE. This is especially important to cope with the higher level of language.

***For further information, contact Mr D Spark.***

# Sport (BTEC) (Level 3)

## Introduction

The 60-credit BTEC Level 3 Subsidiary Diploma covers the key knowledge and practical skills required in the appropriate vocational sector. The BTEC Level 3 Subsidiary Diploma offers a degree of flexibility and a choice of emphasis through the optional units. It is broadly equivalent one A Level.

BTEC Nationals are QCF Level 3 qualifications designed to provide highly specialist work-related qualifications in a range of vocational sectors. They give learners the knowledge, understanding and skills that they need to prepare for employment. This qualification also provides development opportunities to higher education, degree and professional development programmes, universities and other institutions.

## Course Outline

Some students thrive during the pressure of exams; others often fail to achieve their potential due to worries or nerves. On a BTEC, progress is measured throughout the course, allowing students to gauge their own performance on a continuing basis, just like in a real workplace. Students are more engaged and motivated as a result, as they can see their own progress through the course rather than waiting to the end to sit an exam. If you have concerns about exam performance, the BTEC route, with **all work assessed throughout the two years and no final exams**, could be a better option.

The sport and leisure industry comprises leisure and health centres and private and public sector clubs. Opportunities include working with sports professionals in fitness and sports coaching. Edexcel's BTEC Level 3 Diploma in Sport provides a springboard to a university degree or foundation degree in an appropriate vocational discipline, to BTEC, HNC's and HND's or to employment.

The Edexcel BTEC Level 3 Subsidiary Diploma in Sport consists of three mandatory units, one mandatory specialist unit and three optional units:

<b>Mandatory Units</b>	1. Principles of Anatomy and Physiology in Sport
<b>Mandatory Units</b>	2. The Physiology of Fitness
<b>Mandatory Units</b>	3. Assessing Risk in Sport
<b>Mandatory Specialist Units</b>	7. Fitness Testing for Sport and Exercise
<b>Optional Units</b>	5. Sports Coaching
<b>Optional Units</b>	6. Sports Development
<b>Optional Units</b>	8. Practical Team Sports
<b>Optional Units</b>	9. Practical Individual Sports
<b>Optional Units</b>	11. Sports Nutrition
<b>Optional Units</b>	12. Current Issues in Sports

## Grades Awarded

This course is broadly equivalent one GCE A Level:

Grade	Mark	A Level equivalent
Distinction	120	A
Distinction/Merit	100	B
Merit	80	C
Merit/Pass	60	D
Pass	40	E

## What qualifications, skills and/or background experience or interests do you need to have to study this subject?

- Five or more A\* - D grades at GCSE, including English Language **or** Maths at C or above.
- A strong interest in sport and the leisure industry.
- Students who have studied GCSE PE will find that much of the content of this course forms the basis of the BTEC Sport course. However, not having studied GCSE PE does not prevent any student from taking this course.

**For further information, contact Mr A Hall.**

**Please note that re-sits will only be arranged once GCSE examination grades are known**

## **GCSE English Language (Re-sit)**

English Language will be available for both November and June examinations.

### **Assessment Methods**

Candidates will be expected to improve coursework as required and enter for Higher or Foundation as appropriate.

**Please note:** GCSE English Literature will not be available.

***For further information, contact Mrs P Jefferies.***

## **GCSE Mathematics (November Resit)**

The course is for students who missed a Grade C in the summer exam, and have achieved a Grade D.

### **Course Outline**

Students will study a revision programme to help bridge gaps in knowledge so that they can sit the November Foundation Exam, to try to achieve a Grade C pass.

## **GCSE Mathematics (June Resit)**

The course is for students who missed a Grade C in the summer exam, and have achieved a Grade E.

### **Course Outline**

Students will study a compacted version of the full Foundation Tier GCSE syllabus. They will then sit the GCSE in June and hopefully achieve their Grade C pass.

***For further information, contact Mr A Orton or Mr Dixon.***