

# BARCLAY POST 16

## Working within the Stevenage Partnership

At Post 16 we offer a very wide range of courses. The courses you choose will depend on your interests, your ability and (in some cases) your career aspirations.

For 2009-10 we plan to offer courses in the following subjects at Barclay:

- Art & Design
- Art Applied
- Art Photography
- Biology
- Business Studies
- Business, Administration and Finance
- Creative and Media
- Chemistry
- Critical Thinking
- Design Technology (Product Design):  
    Food / Graphics / Resistant Materials / Textiles
- Drama
- Duke of Edinburgh's Award and Young Enterprise
- English [Language & Literature]
- English Literature
- Extended Project
- Film Studies
- Further Maths
- Geography
- History
- Hospitality and Catering
- ICT Applied
- Mathematics
- Media Studies
- Music
- Physical Education
- Physics
- Psychology
- Sociology
- Sports Studies

The Duke of Edinburgh's Award, Young Enterprise and the Community Sports Leader Award (CSLA) are all available as 'enrichment' in column F.

We also offer students the opportunity to improve their level 2 English and Maths and ensure that it reaches the required level.

For a full list of courses and syllabus details throughout the Partnership please consult the website at [www.stevenage1419.org.uk](http://www.stevenage1419.org.uk)

# APPLYING TO JOIN THE BARCLAY POST 16 CENTRE

## November

- Attend the Post 16 Information Evening at Barclay School
- Receive the Stevenage Partnership folder
- Discuss your ideas with subject teachers, form tutors and parents
- Visit Barclay Post 16 to meet with current post 16 students

## February

- The Year 11 Interview Day provides an opportunity to discuss your plans with a senior member of staff
- Option blocks for Post 16 subjects are finalised
- Students make provisional choices and complete an application form

## May-June

- GCSE examinations!

## July

- Introductory 'taster' lessons in the post 16 centre

## August

- Collect your GCSE examination results
- Confirm or review your choice of courses.

## September

- Enrol at the Barclay Post 16 Centre.
- An induction programme will introduce you to life as a Post 16 student

## Art & Design

It would be difficult to imagine a world without the power of the visual images that surround us. This course allows you the freedom to express your ideas, feelings and creativity in a range of ways and with different media. It challenges you to explore your understanding of visual thinking by developing your skills and by encouraging a personal and innovative response to the world around you.

The course offers a rich and varied experience, with emphasis on developing a sound base of preparation including Fine Art, drawing and painting skills as well as working with a range of different media and techniques such as printing, batik, digital imagery, sculpture and design. You will also gain an understanding of the way in which art enriches all other subjects and an individual's cultural life.

You will be expected to extend your experience beyond the studio into individual research and to appreciate other artists and cultures by visiting galleries, museums and exhibitions. The GCE in Art & Design has been designed to encourage an adventurous and enquiring approach to the subject.

### Examination Board

Edexcel

Syllabus 8030 AS 9030 A2

The AS and A2 have 2 units each. The AS includes a coursework unit and an externally set assignment. The full A2 qualification includes an additional unit of practical work and a second externally set assignment.

Students are assessed regularly through individual tutorials. Portfolios of work are internally assessed within the school and moderated by the examination board.

### Special requirements

Students are required to provide basic equipment including sketch books.

### Career paths

Art is particularly suited to those wishing to pursue art in a variety of different fields such as Fashion Design, Graphics, Animation as well as Fine Art and Art History.

## Applied Art - single and double award Art & Design

If you have a real interest in Art and Design and would like the opportunity to study the subject in depth, working in a variety of contexts, then this is the course for you. Students are expected to work in activities ranging from the personal and expressive through to the development of solutions to meet a brief. The course structure puts the emphasis on practical work and helps students to understand the vocational relevance of their work.

This course will help you to

- Gain a broad understanding of a variety of areas of Art and Design
- Develop your skills and knowledge with a range of media and materials
- Apply your learning in a realistic and practical way
- Build a portfolio of work for entry into higher education courses

### Examination Board

Edexcel

Syllabus 8711 Single 8712 Double AS  
9711 Single 9712 Double A2

The Applied Art course remains distinct from other art qualifications in its vocational focus at this level. The 12 unit double award is equivalent to 2 'A' levels and the single 6 unit award is equivalent to 1 'A' level. The units covered are:

- 2D and 3D visual language
- Materials techniques and processes
- Visual communication and meaning
- Working in 2D
- Working in 3D
- Develop set ideas \*
- Produce set ideas \*
- Personal and portfolio development
- Contextual references
- Professional practice and progression
- Develop and produce own ideas \*
- Fine art
- Design

Students' portfolios are internally assessed within school and then verified by the examination board. The starred units above are assessed through externally set assignments which are also marked externally.

### Career paths

The Applied Art course in Art and Design is designed to prepare students for a range of further courses or for employment. The emphasis of working to a brief or assignment provides a framework that relates both to further courses of study and to the world of work. The qualification supports progression to a variety of further education courses such as the BTEC Foundation Degree in Art and Design as well as onto degree.

## **Biology**

### **AS level**

The study of the biology of life is an amazing adventure. Wherever you look you find living things suited to their environment. If you are interested in all aspects of living organisms and how they work and interact with their environment you will enjoy the course.

The new Biology Syllabus 2008 allows us to continue the Salters – Nuffield Context led approach to teaching the Biology course, each of the eight topics starts with a context storyline that is related to the modern world and the application of Biology. You will develop an understanding of biological facts and principles and learn to appreciate their significance in modern scientific applications.

### **Examination Board**

Edexcel 8BIO1 / 9BIO1

### **Syllabus AS**

Lifestyle, Transport, Genes and health

Topic 1 Lifestyle, health and risk

Topic 2 Genes and health

Development, Plants and the Environment

Topic 3 The voice of the genome

Topic 4 Biodiversity and natural resources

Syllabus A2

The Natural Environment and Species Survival

Topic 5 On the wild side

Topic 6 Infection, immunity and forensics

Energy, Exercise and Coordination

Topic 7 Run for your life

Topic 8 Grey matter

### **Special requirements**

B Grade at GCSE Science ( Higher tier ) Preferred.

Minimum C grade at GCSE English.

### **Career Paths**

Medicine, Veterinary Science, Sports Science, Biological research, Physiology, Physiotherapy, Environmental health, Ecology, Conservation, Marine Biology, Nursing, to name but a few,

## **A-Level Business Studies**

This A-Level is an exciting course that is built around a core unit with an enterprise theme, to enable students to think of a new business idea and how they might research and develop it. Students will think about how their learning applies to their own business idea. The qualification will introduce students to international business, equipping them either to work in or to manage a business internationally. It has a large amount of theoretical study that is traditional in A-Level Business, but far more application to real life.

A variety of assessment techniques will be used – supported multiple-choice questions, data-response questions, case studies and a decision-making report.

This course is offered as an AS with the option to carry on to the full A-Level in Year 13.

This is an Edexcel course 9BS01.

To be accepted on the above course you are likely need:  
A\*-C grades in English and Maths

3 or more other GCSEs at A\*-C, GCSE Business at grade C or above or BTEC Business at Merit or Distinction.

It is not necessary to have any previous experience of studying business.

### **Career Paths**

The AS and A2 in Business Studies is an ideal course for entry to further education, training or employment. Many students go on to study business or accounting at university, but the skills learnt on this course are useful in everyday life as well as any University course. It is also the ideal course for a student looking to set up or run their own business in the future.

## **Diploma in Business, Administration and Finance**

The Diploma is offered at two levels, Higher and Advanced, at Barclay. This is an exciting course which will include a large amount of work experience and learning in exciting and realistic ways. The course looks at everyday running of a business and what responsibilities managers and employees have, including administration and finance roles.

The course will take advantage of new resources and facilities developed for this course. It will cater to a wide range of learning styles and be different to a GCSE or A-Level in Business. It is also designed to allow students to explore the setting up of their own businesses.

This has been taught at Barclay since 2009 and its introduction has been successful. It is an academic course with very rigorous assessment and theoretical components. More information can be obtained from the government's Diploma website or contact Mr Desborough through school for a leaflet.

To be accepted on the advanced course you will need:  
A\*-C grades in English and Maths

3 or more other GCSEs at A\*-C, GCSE Business at grade C or above or BTEC Business at Merit or Distinction.

It is not necessary to have any previous experience of studying business.

### **Career Paths**

Depending on the level taken this course can lead to further study.

This could include University study in any subject particularly those related to Business. It could also lead to further study after leaving Barclay, entry into work or training.

## Chemistry

### Why choose A-level chemistry?

- It is an interesting subject requiring and developing a variety of skills
- Your chosen career needs a qualification in chemistry.
- A qualification in chemistry is highly valued and leads to a wide variety of careers. If you are undecided, more options are kept open by studying chemistry.

### Course Aims

Students will follow the OCR Chemistry course which has been designed to make the transition from GCSE to A level a smooth one. We have developed a course through which pupils should:

- develop their interest in, and enthusiasm for chemistry, including developing an interest in further study and careers in chemistry;
- appreciate how society makes decisions about scientific issues and how the sciences contribute to the success of the economy and society;
- develop and demonstrate a deeper appreciation of the skills, knowledge and understanding of *How Science Works*;
- develop essential knowledge and understanding of different areas of chemistry and how they relate to each other.

### Course Structure

[The OCR A syllabus](#) is traditional in terms of content and approach. It is divided into a total of 6 units (3 in each year) in which you develop a knowledge and understanding of the key concepts of Chemistry.

AS Units	A2 Units
<ul style="list-style-type: none"><li>• Unit F321: <i>Atoms, Bonds and Groups</i></li><li>• Unit F322: <i>Chains, Energy and Resources</i></li><li>• Unit F323: <i>Practical Skills in Chemistry 1</i></li></ul>	<ul style="list-style-type: none"><li>• Unit F324: <i>Rings, Polymers and Analysis</i></li><li>• Unit F325: <i>Equilibria, Energetics and Elements</i></li><li>• Unit F326: <i>Practical Skills in Chemistry 2</i></li></ul>

Most lessons are teacher-led, involving class discussion, taking notes and working through questions. Practical work is used to illustrate ideas and to learn practical skills and techniques.

### Examination Board

OCR Advanced Subsidiary GCE in Chemistry A H034

OCR Advanced GCE in Chemistry A H434

### Career paths

Studying Chemistry A level will provide you with a firm foundation for further study in the subject and as a complement to other sciences. A qualification in chemistry is highly valued and leads to a wide variety of careers. If you are undecided, more options are kept open by studying chemistry. It is essential if you are considering a career in medicine or veterinary medicine, biological or forensic science, industrial or environmental research, toxicology, art restoration or patenting. Chemists also work in education as teachers, lectures or as support technicians. Chemists can also be found working in accountancy, law, research, sales, I.T., consultancy, manufacturing, advertising and engineering.

### Special requirements

Minimum grade B at GCSE in Science & Maths (Higher Tier)

## Critical Thinking

Critical Thinking is a skills-based discipline rather than a content-based subject. It develops the ability to analyse and evaluate ideas and arguments and can support thinking skills in all subject areas, from arts and humanities to sciences.

Critical Thinking provides opportunities for learners to think deeply, and in a structured way, about issues that are key to participating in society, e.g. ethical questions, cultural issues and issues of personal responsibility.

Critical Thinking is offered as an additional 'enrichment' subject to students who are willing and able to meet the intellectual challenge. It offers excellent preparation for study at Higher Education level and is a good preparation for many professions, especially the LNAT (Law) and BMAT/UKCAT (Biomedical) entrance tests.

Critical Thinking focuses on logic, language, evidence and argument. In particular, the AS course requires students to

- Evaluate **evidence** from a range of sources
- Analyse **arguments** of many different kinds

At A2 these skills are applied to a range of contemporary ethical dilemmas.

### Examination Board:

**OCR AS H052 / A2 H452**

#### Unit 1 **Introduction to Critical Thinking [F501]**

- The language of reasoning
- Credibility

This unit provides an introduction to important skills in critical thinking. It also covers the area of credibility and recognises that the plausibility of an argument is influenced by its origin, be that a person or an organisation.

#### Unit 2 **Assessing and Developing Argument [F502]**

- Analysing argument
- Evaluating argument
- Developing own reasoned argument

This unit covers a wide range of argument components, building on the skills developed in Unit 1. Students analyse and evaluate arguments, identify strengths and weaknesses and write original arguments in response to stimulus material.

At A2 the units are as follows:

#### Unit 3 **Ethical Reasoning and Decision Making [F503]**

This unit applies the skills developed at AS to ethical and moral issues. Students identify moral dilemmas and resolve them by using evidence and argument.

#### Unit 4 **Critical Reasoning [F504]**

Students analyse and evaluate complex arguments found in newspapers and magazine articles.

## Design Technology - Product Design

There are 3 possible courses to follow within this specification. All courses have the same basic structure but content is related to particular materials and project outcomes. These courses are both interesting and stimulating, giving students the opportunity to tackle real life problems and design and make solutions. They will increase your awareness and understanding of economic, political, social, aesthetic, cultural and environmental factors affecting design and technology

Examination Board

AQA ; Product Design:

1. 3D Design
2. Textiles Technology
3. Food Technology

Description

AS level, Unit 2 expects students to produce one portfolio of work with distinct sections covering the entire design process.

Unit 1 deals with industrial and commercial products and practices and looks at the role of designer trends, history of design, strategies for effective designing and influences that designers have on everyday life. Manufacturing and the use of ICT is examined with detailed study of materials and processes. They will have the opportunity to experiment with a variety of techniques in order to be able to develop their designs from concept ideas to the realisation of quality products.

At A2 level, Unit 3 relates to a deeper study of materials and their properties with specific reference to their use in products. Application of CAD/CAM (Computer Aided Drawing and Computer Aided Manufacture) is studied within this unit and students are expected to incorporate computer aided work in their unit 4 project.

At A2 level, Unit 4 centres around the design and development, through to a finished article, of a project of the student's own choice. The materials used and the type of project that is chosen will relate to the course that is studied

Special Requirements

Students who study Design and Technology are expected to have achieved at least a C grade GCSE and show the flair and imagination that the course demands. The project work in both AS and A2 requires the willingness to be independent and the ability to plan ahead

Career paths

Students have used Design and Technology to enter professions such as product designer, architect, interior designer, engineer, town planner, web page designer, product management, marketing, buying, graphic design, advertising, public relations and many other careers where imagination, planning and the ability to solve problems is required.

## Drama

Drama is an excellent subject to study if you like performing. It will build your confidence, fluency of expression and knowledge of the historical and cultural contexts which have influenced the development of drama as an art form.

The course concentrates on theatre skills and an understanding of performance both from the actor's and the director's viewpoint. You will have the opportunity to examine the history of the theatre, perform in full scale productions, devise your own drama, take part in group work and develop your individual skills by specialising in either acting, directing, sound, lighting, costume or set design. You will analyse play scripts, study various performance styles and learn how to make an informed response to live theatre.

You will also have the opportunity to visit many theatre productions, which is a requirement for the written examination.

### Examination Board

Edexcel AS 8DR01 A2 9DR01

### Syllabus Description

- Unit 1 - Exploration of Drama and Theatre.  
The study of two contrasting play texts in a practical and Active way.  
One play to be explored with reference to major theatre Practitioner.  
Performances to be filmed.  
Students to submit a set of exploration notes.  
Evaluation of live theatre performances.
- Unit 2 - Theatre text in performance.  
Externally assessed.  
Students to perform monologue or duologue.  
Students perform a professionally published play by a known writer.  
Design can be offered as an option.
- Unit 3 - Devised original piece of theatre.  
Performance to invited audience.  
Filmed.  
Supported by development notes and evaluation.
- Unit 4 - Detailed study of one set play text.  
One 2 hour 30 minute written exam based upon the study of The play text, performance and evaluation.

### Career paths

A level Drama & Theatre Studies is very useful if you want to pursue drama or performing arts courses at university or technical courses at drama schools. Other careers include management, marketing, directing, and technical support in theatres, conferences, community arts work or teaching.

## **The Duke of Edinburgh's Award**

DofE is offered to all students who take at least one subject at Barclay. Since it is not an academic course there are no entry requirements except commitment and enthusiasm.

You achieve an Award by completing a personal programme of activities in four sections. You'll find yourself helping people or the community, getting fitter, developing skills and going on an expedition.

Your programme can be full of activities and projects that you already enjoy or want to try. Along the way you'll pick up experiences, friends and talents that will stay with you for the rest of your life. You'll also have a qualification that will look great on a CV or UCAS form.

We run the Silver Award in Year 12 and the Gold Award in Year 13. Contact Mr Desborough or visit [www.dofe.org](http://www.dofe.org) for more information.

## **Young Enterprise**

Young Enterprise is an opportunity to run your own business. You get to keep all the profits, have a public stall, take part in a national competition and get a qualification!

The programme runs 1 hour a week in a free lesson and advisors from MBDA visit to give guidance. It builds skills of teamwork, leadership, communication, financial capability and creativity. These skills are highly regarded by businesses and universities, so Young Enterprise is always worth having on your CV.

To find out more speak with Mr Desborough.

## Economics A-level

### Course Outline

The **Edexcel** specification aims to develop an interest in and enthusiasm for the study of Economics. Students gain an understanding of economic concepts and theories through consideration of current economic issues. Two modules are studied in each year. Assessment is by examination; there is no coursework element.

### What will I learn on this course?

You will learn to:

- understand and use simple micro-economic and macro-economic models.
- apply these models to a range of real-world contexts.
- analyse, explain and evaluate.
- interpret and evaluate data from a variety of sources.

### Who would be a successful student of Economics?

This course will appeal to students who:

- enjoy keeping up with news events and current affairs, especially those related to the economy, business and politics.
- have good, basic maths skills for completing simple calculations and drawing/interpreting graphs.
- enjoy reading a broadsheet newspaper.
- want to find out why people and firms make the choices they do.
- like to investigate all sides of an argument.
- want to study a subject that relates directly to the world outside the classroom.

### Entry Requirements

5 GCSEs grades A\*-C, including grade C or above in English Language and Mathematics.

### What opportunities will this course provide?

You will find this course useful if you plan to:

- study Economics at university, or to choose another course where Economics is a key component, such as Accounting and Finance, Business Studies, Economic History or Politics and Economics.
- follow a career where Economics is directly relevant, for example, accountancy, actuarial science, banking, business or finance.
- pursue a career in government and politics, journalism or law, where an Economics background is helpful.

## Course Structure

### Year 12 (AS)

#### Unit 1: 'Competitive Markets – How they Work and Why They Fail'

- Introduction to Economics
- The basic model of supply and demand
- The working of the market mechanism in particular markets, e.g. commodity markets; the labour market, the stock exchange
- Market failure: causes and possible remedies

This unit is tested by a 1 hour 30 minute examination worth 50% of the total AS marks (25% of the total GCE marks).

#### Unit 2: 'Managing the Economy'

- Key measures of economic performance
- The main objectives and instruments of economic policy
- The Aggregate Demand and Aggregate Supply model
- Alternative approaches to managing an economy

This unit is tested by a 1 hour 30 minute examination worth 50% of the total AS marks (25% of the total GCE marks).

### Year 13 (A2)

#### Unit 3: 'Business Economics and Economic Efficiency'

- Firms' objectives
- Pricing and output decisions of firms under different market structures
- Government intervention to promote competitive markets

This unit is tested by a 1 hour 30 minute examination worth 40% of the total A2 marks (20% of the total GCE marks).

#### Unit 4: 'The Global Economy'

- Economic growth and development
- The causes and consequences of inequality in developed and developing countries
- Globalisation and international trade
- Policy measures to deal with economic problems

This unit is tested by a 2 hour examination worth 60% of the total A2 marks (30% of the total GCE marks).

## English Language and Literature

This course offers you the opportunity to study English Language and Literature and should be a richly rewarding experience. If you enjoy reading and wish to develop your writing skills along with your powers of analysis, then this course should interest you.

### Examining Board

AQA

GCE English Language and Literature Specification B

AS Award 1726

A2 Award 2726

AS

Unit 1 Introduction to Language and Literature Study (exam)

Unit 2 Themes in Language and Literature (coursework)

A2

Unit 3 Talk in Life and Literature (exam)

Unit 4 Text transformation (coursework)

Spoken and written English are used in many different contexts. You will have the opportunity of analysing and exploring these differences in depth and will develop the ability to write accurately, intelligibly and convincingly for different purposes and audiences.

### Special requirements

It is hoped that students who take this course enjoy reading and that they are keen to develop their writing skills. You must have at least grade C in English and English Literature, preferably grade B or higher, to be accepted on the course. You must also be willing to read challenging material.

### Career paths

English Language and Literature A level allows you to develop your knowledge and understanding of language. You will develop your analytical skills and learn to interpret and engage with a variety of texts. This course is a useful foundation for a wide range of university courses and leads naturally to careers in journalism.

For more information see [www.aqa.org.uk](http://www.aqa.org.uk)

### English Literature

English Literature is a challenging and rewarding subject to study. You will have the opportunity to read a varied range of prose, drama and poetry. You will study writers in the context of their own time, and at the same time find out how/why their work is still relevant today. You will learn to read with understanding and enjoyment the work of authors which you might otherwise never have discovered.

## **Examination Board**

AQA

GCE English Literature Specification A

Syllabus Description

There are four units: two for AS and two for A2.

AS

Unit 1 Texts in Context (exam)

Unit 2 Creative Study (coursework)

A2

Unit 3 Reading for Meaning (exam)

Unit 4 Extended Essay and Shakespeare Study (coursework)

## **Special requirements**

You must have at least grade C in English and English Literature, preferably grade B or higher, to be accepted on the course. You must also be willing to read challenging material. It is hoped that students who take this course enjoy reading and that they are keen to develop their writing skills.

## **Career paths**

English Literature A level helps you to develop greater powers of expression, the ability to think logically, and to construct a structured and coherent argument. You will be trained to manage a variety of text types efficiently, to communicate clearly both orally and in writing. As such, the course is a useful foundation for a wide range of university courses and careers.

For more information see [www.aqa.org.uk](http://www.aqa.org.uk)

## Extended Project Qualification

The extended project is a single piece of work done over one or two years. It functions as a standalone qualification or as part of a 14/19 Diploma and is the equivalent of an AS. The project could take any of the following formats:

1. A design
2. A report with findings from an investigation or study
3. A dissertation presenting an argument
4. An artefact
5. A performance

It is designed to expand your learning in your field of study, in a related area or something that is relevant to your own personal interests or hobbies.

By undertaking this work it is hoped that it would enable you to have a significant input into choice and design; develop your decision making and problem solving skills; extend your research, critical thinking, analytical and evaluation skills; and use the experience to support higher education and/or career aspirations. The work will be marked by your tutor and graded A\* to E. Students able to take responsibility for their own learning would enjoy this course.

## Film Studies

" A film is difficult to explain because it is easy to understand."

You probably didn't even know that Film Studies is a subject that can be studied at both Advanced level and beyond into Higher Education. Well it is and if you are open-minded as well as an avid movie viewer then this course is for you. You will be taught to articulate a subject you probably think you already know something about (after all, everyone watches films!) but don't yet have the skills and vocabulary to do so.

This course is designed for those of you who want to find out more about a subject that has an enormous impact on our lives as audiences and participants in culture. You will be taught to develop knowledge and understanding of how a film "works" and the skills to identify and explore your own response as an audience member.

You will also learn about how cinema functions as a business and as an institution. The course will enable you to articulate a critical understanding of your own participation as a consumer or fan. You will identify messages and values in films and even apply your understanding to practical work such as storyboarding, screenwriting and journalism.

### Examination Board

WJEC

AS 2181 A2 3181

AS 1181 Exploring Film Form (Coursework)

1182 British and American Film (2 ½ Hour Exam)

A2 1183 Film Research and Creative Products (Coursework)

1184 Varieties of Film Experience – Issues and Debates (2 ¾ Hour Exam)

### Special requirements

Candidates are not required to have any prior qualifications in Film or Media Studies. However, a Grade C or above at GCSE English is essential and a grade B desirable. This subject is academically rigorous and you will need competent communication skills, both in writing and orally. You may also feel drawn to this subject because through Art or Technology you have developed good visual understanding and visual communication skills.

Students who have taken Media Studies at GCSE should have at least a grade C.

### Career paths

Film Studies will not make you into the next Quentin Tarantino but it does combine well with A Level subjects such as English, English Literature, Theatre Studies, History, Languages, Art and Media Studies. The course will give you a solid grounding for careers in the media, journalism, advertising, performing arts and teaching. A qualification in this subject leads naturally to university courses in Media, Cultural and Communication Studies and practical video production.

## Geography

Geography looks at how the world is changing, at what is happening in the physical and human environment, examines why these changes are taking place and analyses their effects. It also looks at the relationships between people and their environment, how people are controlled by their surroundings and how people affect the area in which they live.

You will learn to understand the different cultures and groups within a multi-racial world by studying a selection of regions and environments. The course examines current issues and will help you to develop a range of skills valuable in all areas of life - research, analysis, data collection and teamwork. You will learn to evaluate the quality of human and physical environments through problem solving, research and analysis.

### Underlying Principles

To emphasise the study of geographical change at a range of scales  
To encourage the acquisition of a broad range of skills useful in lifelong learning  
To enable a variety of teaching and learning styles including the use of new technologies  
To cater for a wide range of student abilities and aptitudes.

### Examination Board

New AQA for September 2009

### Syllabus description and brief outline of units –

AS units    1. Core Physical: - Rivers, floods and their management  
Physical options ONE from: Cold environments or Coastal environments or Hot desert environments and their margins.

Core Human: Global population change  
Human Options ONE from: Food supply issues or energy issues or Health issues  
Assessed in a 2-hour exam paper. Weighting 35%  
2 Applied Geography – Skills paper.  
Context of Qu1 will arise from Core of unit 1.  
Q2 will assess any geographical fieldwork undertaken. Assessed in a 1-hour exam paper. Weighting 15%

(No coursework at AS level however a 3 day residential fieldwork trip to the Dorset coastline will help with above unit)

A2 units    3 Contemporary Geographical issues  
Physical options ONE from: - Plate tectonics and associated hazards or Weather and climate and associated hazards or Challenges facing ecosystems

Human Options ONE from: World cities or Development and globalization or Contemporary conflicts and challenge

Assessed in a 2-hour exam paper, which comprises of 2 structured questions and one essay. Weighting 30%

4 Either: -

Unit 4a: fieldwork externally assessed by AQA in a 1.5-hour examination. Candidates' understanding of their own fieldwork will be examined through generic questions. THE ACTUAL FIELDWORK WILL NOT BE SUBMITTED FOR MARKING

OR

Unit 4b: an issue evaluation (2 hours) based on pre-released material (2months) including elements of enquiry skills.

*Weighting 20%*

Special requirements

You must have a grade C at GCSE to be accepted on the course.

### **Career paths**

Geography combines well with numerous others 'A' level subjects and is an excellent basis for many *career* options. The skills of data analysis and decision making are in demand in marketing, planning, business and finance, scientific services, conservation -management and administration, GIS assistants, local government to name but a few.

## History

If you are interested in delving into the past to explore man's development and achievements and are prepared to read widely, you will enjoy this course. A historical understanding is helpful in fully appreciating art, literature, music, architecture as well as politics and current affairs. To know the reality of the past, to deepen your awareness of human motive and behaviour by studying History, heightens your powers to live your own life with perception, feeling and energy. It generates a sense of the significance of human existence.

Throughout the course you will develop skills of analysis and interpretation, be able to weigh up often contradictory evidence, to distinguish and assess different approaches to the past, to develop your own line of interpretation and to construct and defend an argument coherently and convincingly.

### Examination Board

AQA

### Syllabus Description

AS

Henry VIII and the Reformation look at Henry's marriages, the divorce crisis and why he changed the Church in England.

The German Reformation looks at why the Church was criticized and the work of key individuals such as Martin Luther

A2

Elizabeth I – students explore the reign of the 'Virgin Queen' and her successes and failures as monarch.

Personal Study – students choose any period of time they find interesting and create a detailed answer to the question of their choice.

### Special Requirements

Minimum grade C at GCSE. If you have not done History at GCSE, then grade C in English Language. Interest in reading and knowledge of the wider world are extremely useful.

### Career paths

History is relevant to many other subjects and careers such as law, journalism, management, systems analyst, broadcasting, teaching, archaeology or the Civil Service as well as entry to Arts and Social Science courses at universities.

## Applied ICT - single and double award

The GCE in Applied ICT (Information and Communications Technology) aims to develop for a professional level of ICT skill as well as developing the knowledge and understanding required for ICT. The course consists of a mixture of research and reports that are combined with projects in specific application areas. Two-thirds of the course is assessed by coursework projects and the remaining elements by practical or theory examinations. The most successful students on this course will be those who are capable of considerable independent effort and capable of developing the necessary organizational skills.

### Examination Board

Edexcel AS Single 8751 Double 8752  
A2 Single 9751 Double 9752

This course aims to produce effective, discerning ICT users who:

- can select and use appropriate ICT tools and techniques to help them carry out investigations, capture and handle data, solve problems, make decisions, and present and communicate information
- are aware of the benefits and drawbacks of ICT and its impact on the way in which people live their lives
- can plan and manage projects and work effectively with others.

These qualifications have a broad appeal and develop students' communication and decision-making skills. These are harnessed to build and maintain an e-portfolio as a showcase for their achievements. The skills acquired through study for the A level in Applied ICT will support further study in any subject area.

The Double Award qualification at A level introduces students to key aspects of the ICT practitioner role, including:

- system design and installation
- software development
- website design and management
- technical support
- networks and communications
- working with end-users.

Applied ICT gives students a wide choice of progression options into further study, training, or relevant employment. Students who successfully complete the qualification will be well equipped to move onto degrees and BTEC Higher National Diplomas in related subjects such as ICT, Computer Science, Information Systems, Multimedia, Software Engineering, Computer Networking, e-Business and Information Management. Those who opt for work-based training are likely to progress to IT National Vocational Qualifications in IT (NVQ's) or product specific qualifications (such as the Microsoft practitioner's series).

## Mathematics

Mathematics underpins almost every aspect of modern life. It is an exciting and challenging course, and one you will enjoy if you like solving problems in a logical manner, applying mathematical theories and methods and constructing rigorous mathematical arguments.

It involves hard work but is extremely rewarding. It is also one of the universally recommended A levels, by the majority of Universities for an extremely wide variety of courses.

Mathematics can be studied at AS and A2 level.

Further Mathematics is available to those students who have demonstrated exceptional mathematical ability at GCSE and flair for the subject.

The Mathematic AS and A2 course is as follows:

### EXAMINATION BOARD

EDEXCEL AS (8371) A2 (9371)

### MATHEMATICS DEPARTMENT COURSE REQUIREMENTS

TO HAVE ACHIEVED AT LEAST A GRADE "B" AT GCSE . (In special cases students are accepted on the course at the discretion, and on advice from, their GCSE teacher and may therefore not meet these requirements).

### MODULES TAUGHT

YEAR 12 C1, C2, D1.

YEAR 13 C3, C4, M1.

(C1, C2, C3, C4 are compulsory modules and S1 and M1 have been chosen from the optional Modules.)

### CURRENT TEXTBOOKS USED

AS PURE MATHEMATICS C1 C2	HEINEMANN
AS PURE MATHEMATICS C3 C4	HEINEMANN
DECISION 1	HEINEMANN
MECHANICS 1	HEINEMANN

### EXAMINATION DATES (Following Stevenage Consortium Policy)

YR 12 JUNE - C1, C2 AND D1 - AS LEVEL AWARDED.

YR 13 JUNE - C3, C4 AND M1 – A2 LEVEL AWARDED.

(Following School Policy, Resit Modules are available in January and June of Year 13 and are paid for by the student)

### INTERNAL ASSESSMENTS THROUGHOUT THE COURSE

#### YEAR 12

C1 MOCK	END OF AUTUMN TERM YEAR 12
D1 INTERIM MOCK	END OF AUTUMN TERM YEAR 12
C2 MOCK	END OF SPRING TERM YEAR 12
S1 MOCK	END OF SPRING TERM YEAR 12

## **YEAR 13**

C3 MOCK	END OF AUTUMN TERM YEAR 13
M1 INTERIM MOCK	END OF AUTUMN TERM YEAR 13
C4 MOCK	END OF SPRING TERM YEAR 13
M1 MOCK	END OF SPRING TERM YEAR 13

### **REVISION**

C1, C2 AND D1                      PAST PAPERS FROM START OF SPRING TERM TO JUNE OF YEAR 12.

C3, C4 AND M1                     PAST PAPERS FROM START OF SPRING TERM TO JUNE OF YEAR 13.

(Because of the nature and size of the groups, staff arrange sessions for supporting individuals as required).

### **THE FURTHER MATHEMATICS COURSE IS AS FOLLOWS:**

EDEXCEL      AS (8372)      A2 (9372)

### **MATHEMATICS DEPARTMENT COURSE REQUIREMENTS**

To be studying AS Mathematics with the intention of A2 in Year 13. To have achieved at least Grade A in GCSE Mathematics.

### **CURRENT TEXT BOOKS USED**

Further Pure	HEINEMANN
Statistics	HEINEMANN
Mechanics	HEINEMANN

### **EXAMINATION DATES**

June in Year 12 and Year 13

### **OVERVIEW OF YEAR 12 A.L.A.N COURSE (ADULT LITERACY AND NUMERACY)**

EXAMINATION BOARD

EDEXCEL

### **MATHEMATICS DEPARTMENT COURSE REQUIREMENTS.**

THIS COURSE IS AIMED AT STUDENTS WHO ARE STUDYING COURSES AT POST 16, BUT HAVE NOT ACHIEVED A GRADE C OR ABOVE IN GCSE MATHEMATICS.

### **COURSE ELEMENTS.**

THE COURSE IS AN ADULT KEY SKILLS LEVEL 2 QUALIFICATION.

STUDENTS WILL BE AWARDED A "PASS" OR "FAIL" AT THE END OF THE COURSE.

### **ASSESSMENT**

ONLINE ASSESSMENT AT ANY POINT IN THE COURSE WITH EDEXCEL. THERE IS NO TIME RESTRICTION. STUDENTS TAKE THE TEST WHEN THEY ARE JUDGED BY THE TEACHER TO BE READY FOR IT. TEXTBOOKS AND RESOURCES.

ONLINE MATERIAL - BBC WEBSITE "KEY SKILLS" AREA AND OTHER "KEY SKILLS" SITE.

## Media Studies

*Not only is Media Studies one of the fastest developing subjects in Higher Education, media competency is essential for anyone who wishes to be a fully active member of a democratic society.*

A critical awareness of the mass media – television, radio, film, the press and advertising – is now as important as being proficient in the use of information technology. In fact we now refer to being “media literate” as well as being “computer literate”, and the more media literate one is the more one is able to take part in our media-saturated, technologically governed culture.

The course is designed for those who want to combine knowledge and understanding of how media impacts on our everyday lives with the creative skills and imagination to produce their own media products.

The emphasis is very much upon the development of independent critical thinking skills, which makes it particularly appropriate to candidates wanting to study the media at higher academic levels. The course is not vocational, nor is it a qualification for entry into the media industries. We aim to provide you with some of the tools necessary for you as future citizens and media consumers.

### Examination Board

OCR

AS G321 Foundation Portfolio in Media (Coursework)

G322 Key Media Concepts (2 Hour Exam)

A2 G324 Advanced Portfolio in Media (Coursework)

G325 Critical Perspectives (2 Hour Exam)

### Special Requirements

*Candidates are not required to have any prior qualification in Media Studies. However, a Grade C or above at GCSE English is essential, with a Grade B or above desirable. Candidates with a C grade in GCSE Media Studies pass are not automatically guaranteed a place on the course if they do not possess the required English grade.*

### Career Paths

*A level Media Studies combines well, naturally, with Film Studies, and candidates can follow both secure in the knowledge that they are quite separate disciplines. Media Studies also combines well with English, English Literature, Theatre Studies, Sociology, Art, Government and Politics, Business, Critical Thinking and ICT. Although not a direct qualification for specific jobs, the Advanced course will give you a solid grounding for careers in the media, journalism, advertising, performing arts, PR and teaching. Finally, this qualification leads naturally to university courses in Media, Culture, Communication Studies, Film Studies and Social Sciences.*



## **'A' LEVEL PHYSICAL EDUCATION**

### **What is AS/A2 Level Physical Education?**

A one or two year course comprising of a theoretical and a practical element.

What entry qualifications do I need?

• 4 GCSE passes at grade C or above (including physical education. Science would be helpful but is not essential.)

• GNVQ intermediate pass in a relevant subject.

Proven all-round interest and ability in sport

### **How will I be assessed?**

The course is divided into a number of different units.

The AS level comprises of 3 theoretical units plus two practical activities, completed in year one, and 3 further theoretical subjects and a continuation of 1 of the practical activities, completed in year two (A2 Level).

### **How much will it cost me?**

All text books will be available for use from the school library. You will, however, be expected to purchase one text book which is essential to the course, at a cost of approximately £20.00.

You will be expected to have a sufficient amount of kit to be able to dress appropriately for the range of activities we cover.

The course also involves an external revision course in both years one and two.

### **What will I study?**

'A' Level Physical Education is divided into subject areas :

#### **AS**

**Anatomy and Physiology** : Skeletal, Muscular, Circulatory and Respiratory Systems and Mechanics of Movement.

**Acquisition of Skill**: Skill and its Characteristics, Theories relating to the Learning and Teaching of Skills, Motivation and Practical Examples.

**Contemporary Issues**: Play, Leisure, Recreation, Physical Education, Sport, Elitism, Participation, Sport and Culture, Outdoor Recreation and Tourism.

#### **A2**

**Exercise Physiology**: Energy Concepts, Exercise and Nutrition, Physical Fitness and Response to Exercise.

**Psychology of Sport:** Personality, Attitudes, Aggression, Motivation, Social Factors and Stress.

**Historical Studies:** The origins and development of competitive sports.

**Practical Activities:**

Athletics	Swimming	Trampolining
Football	Rugby	Hockey
Netball	Basketball	Cricket
Badminton	Tennis	+ many more.

**In year 12, you will have 3 practical options:**

- A) Performing 2 activities together with Evaluating & Planning for the Improvement of Performance; or
- B) Performing 1 activity and coaching/leading 1 activity together with Evaluating and Planning for Improvement of Performance; or
- C) Performing 1 activity and officiating 1 activity together with Evaluating and Planning for Improvement of Performance.

**In year 13, you will also have 3 practical options ;**

- A) Performing 1 activity and the Evaluation, Appreciation and Improvement of Performance; or
- B) Coaching/leading 1 activity and the Evaluation, Appreciation and Improvement of Performance; or
- C) Officiating 1 activity and the Evaluation, Appreciation and Improvement of Performance.

**Where can the qualification lead me?**

You may apply to University for a degree course in Sports Studies, Leisure and Recreation, Recreational Management, Sports Science or Teacher Training in Physical Education (provided you have GCSE Maths and English). As an AS/A2 Level, it would provide you with a qualification which would enable you to study for a non-sport related degree.

You would usually require an AS/A2 Level pass in at least one other subject.

You may also use the qualification to take up a position in:

- ↳ Leisure Centres
- ↳ Sports Administration and Coaching
- ↳ Police or the Armed Forces

**Where can I get more information?**

Miss A Read  
Subject leader  
Physical Education



**Study physics and find out why this is wrong!**

## **Physics**

Physics explores matter, energy and their interaction throughout the universe. The Physics in Context course will develop your understanding of physical concepts and demonstrate their relevance in an increasingly technological society.

The Physics in Context course offers you:

- Up to date physics: modern ideas and applications;
- Help with mathematics: explaining how to use mathematics and what it means;
- Variety: fundamentals, applications and connections-something for everyone;
- Involvement: a choice of topics to study in depth;
- An insight into people and their ideas;
- Practical work: learning skills and investigating processes;
- Use of computers: tools, models and information processing.

### **Examination Board**

AQA Physics B: Physics in Context

AS 1456

A2 2456

Modular written exams: 80%

Coursework: 20%

### **Programme of Study**

AS Modules:

- Harmony and Structure in the Universe: The World of Music; From Quarks to Quasars.
- Physics Keeps Us Going: Moving People, People Moving; Energy and the Environment.
- Investigative and Practical Skills in AS Physics

A2 Modules:

- Physics Inside and Out: Experiences Out of this World; What Goes Around Comes Around; Imaging the Invisible.
- Energy under the Microscope: Matter Under the Microscope; Breaking Matter Down; Energy from the Nucleus
- Investigative and Practical Skills in A2 Physics

### **Special requirements**

Good GCSE grades (B and above) in Mathematics and Science

### **Career paths**

Physics is an excellent subject to study if you wish to pursue a career in:

- medicine and related subjects
- engineering
- computing
- sport
- music
- astronomy
- chemistry
- biology

The list goes on and on and on and on and on and on and on and on .....

## Psychology

Psychology is the study of the human mind and behaviour. It has been used effectively by educationalists to understand how children learn; by professional psychologists to combat mental illness; by major employers to create the best environment to motivate employees; by politicians and generals to win votes and wars; by lawyers and police officers to cross-examine witnesses more successfully ... the list is endless.

Psychology introduces you to psychological theory, practice and research. It increases your awareness of the diversity, applications and limitations of psychological knowledge and research and the ethical responsibilities involved. You will be expected to read widely and be able to analyse data.

### Examination Board

AQA 1181 and 2181

### Syllabus Description

- AS     Memory / Eyewitness Testimony  
       Attachments / Deprivation  
       Stress / Stress Management  
       Individual Differences (Abnormality)  
       Obedience / Authority / Conformity  
       Research Methods / Data analysis / Investigation design
  
- A2     Biological Rhythms and sleep  
       Perception  
       Relationships  
       Aggression  
       Eating Behaviour  
       Gender  
       Intelligence and Learning  
       Cognition and Development  
       Psychopathology  
       Psychology in Action / Research Methods

### Special requirements

A grade C or higher in English and Maths is essential.

### Career paths

Psychology is useful for a wide range of university degree courses, and is particularly appropriate if you are thinking about a career working with people.

## Sociology

Sociology focuses on the way in which society runs, why society takes the form that it does and how that affects the people within it. Everything we are, every thought we have, our hopes and aspirations, our prejudices are all strongly influenced, if not actually formed, by society. If you like to question everything, take nothing for granted, look for hidden meanings, causes and consequences – you will be challenged by this course.

The course looks at the way society shapes our lives and the lives of others. It looks at some of the differences in society – those of culture, religion, background, class, age and abilities and the issues these raise. You will examine the family as a society, the influence of the mass media, power and politics. It is an exciting and stimulating course and you will be challenged to think and develop your own views and to argue them convincingly.

### Examination Board

AQA 1191 (AS) and 2191 (A2)

### Syllabus Description

AS	Families and Households
	Health
	Culture and Identity
	Education
	Wealth, Poverty and Welfare
	Methodology
A2	Power and Politics
	Global Development
	Theory and Methods
	Crime and Deviance
	Stratification and Differentiation
	Mass Media

### Career paths

Sociology is an excellent foundation for higher education and is particularly appropriate if you are thinking about a career working with people such as social work, education, local government or human resource management.



## Post 16 Physical Education Courses

Edexcel 'Btec' National in Sports Development,  
Coaching and Fitness.

There are three courses available to study :

**National Award:** 6 units, value 1 A level pass

**National Certificate:** 12 units, value 2 A level passes

**National Diploma:** 18 units, value 3 A level passes

### Entry Qualifications

4 GCSE passes at grade C and / or average points score to move onto a level three course of study.—with the proviso that the PE teaching team are confident that you will succeed on this course

For all courses you need an interest in the practical application of a variety of sports, in Sports Leadership / Coaching and the theoretical concepts of sport. It is not essential to have studied GCSE to take the course.

### Assessment

The course is taught in units, with a variety of assessment tasks in each unit.

Assessment is through coursework that is set and marked on a regular basis throughout the year.

Students do not sit any formal exams.

Assignments are marked at one of three levels, PASS, MERIT or DISTINCTION. There is a final grade given at the end of the one year/two year course – this can equate to UCAS points for all three national courses

### What units will I study?

#### **National Award (1 A level equivalence)**

Practical Sport (1)	Sports Coaching
Body in Action	Health & safety in Sport
Sports Development	Training & Fitness for Sport

#### **National Certificate (2 A level equivalence)**

All of the National Award units +

Sports Nutrition	Fitness Testing
Sports Psychology	Practical Sport (2)
Officiating in Sport	Sport & Exercise Massage

### **National Diploma (3 A level equivalence)**

All of the National Award / Certificate units +

Sport as a Business                      Sport & Society  
Sports Injuries                              Work Experience  
Exercise for Specific Groups  
Organisation of Sports Events

If you are interested in the National Diploma please see Mr Green as the course is not usually offered on the 'Post 16 options grid' - but will run if there is sufficient interest.

### **Where can the qualification lead me?**

If you achieve merit or distinction passes in any of the 3 courses this equates to UCAS points. You may apply to University for a degree course in Sports Studies, Leisure & Recreation; Sports Science or Teacher Training in Physical Education (provided you have GCSE Maths and English C grade).

A pass grade could lead to a HND course in further education.

You may also use the qualification to take up a position in:

- ↳ Leisure Centres/Health & Fitness Clubs
- ↳ Sports Administration and Coaching
- ↳ Police, Fire Service or the Armed Forces
- ↳ Stevenage Sports Partnership

### **Where can I get more information?**

#### **Mr S Green**

BTEC Sport Course Leader

#### **Miss A Read**

Subject Leader

Physical Education

## **The Duke of Edinburgh's Award**

DofE is offered to all students who take at least one subject at Barclay. Since it is not an academic course there are no entry requirements except commitment and enthusiasm.

You achieve an Award by completing a personal programme of activities in four sections.

You'll find yourself helping people or the community, getting fitter, developing skills and going on an expedition.

But here's the best bit - you get to choose what you do!

Your programme can be full of activities and projects that you already enjoy or want to try. Along the way you'll pick up experiences, friends and talents that will stay with you for the rest of your life. You'll also have a qualification that will look great on a CV or UCAS form.

We run the Silver Award in Year 12 and the Gold Award in Year 13. Speak to Mr Desborough, Miss McQuade or visit [www.dofe.org](http://www.dofe.org) for more information.

## **Young Enterprise**

Young Enterprise is an opportunity to run your own business. You get to keep all the profits, have a public stall, take part in a national competition and get a qualification!

The programme runs in the Enrichment column for 1 hour a week and advisors from MBDA visit to give advice. It builds skills of teamwork, leadership, communication, financial capability and creativity. These skills are highly regarded by businesses and universities, so Young Enterprise is always worth having on your CV.

To find out more speak with Mr Desborough and find the programme in Block F on the options form.