

A Level courses starting September 2008

Prospectus for boys currently in the
Fifth Form at BGSB

Introduction

One of the key decisions which you and your parents have to make this year is whether you are going to stay on into the Sixth Form here at BGSB or go elsewhere for your AS and A2 studies.

Let me acknowledge that, while we would like all of you to stay on (subject, of course, to your meeting the academic criteria), it may, I accept, be right for some of you to leave BGSB and go elsewhere for the Sixth Form. The reason for this might be that you wish to study a subject which is not offered here; it might be that the grass in another institution looks greener; it might be financial.

To those of you who are thinking that a change might be a good idea, I would like to make the following points:

- } First, don't underestimate the value of being taught at Sixth and Seventh Form level by those who know you. Continuity of teaching and of pastoral care has a good deal to commend it.
- } Second, don't underestimate the educational advantage of small classes.
- } Third, don't underestimate the importance for your personal development of the opportunities which BGSB offers you for extra-curricular activities and for leadership.
- } And fourth, don't be too quick to compare a college-style environment with what you know of BGSB now. The Sixth Form is different: your own centre – the JCR; easier contact with the girls over the road because of the access to both JCRs; a different relationship with staff; more freedoms – although with the freedoms and privileges come responsibilities, and not least the responsibility to set the tone for the rest of the school.

This booklet is designed to give you information about the AS and A2 courses on offer at BGSB. We hope you will find the information helpful as you make decisions about your studies in the Sixth and Seventh Forms.

As far as subject choices are concerned I advise you to discuss your thoughts and plans with your parents, your Form Tutor, relevant Heads of Department and the careers staff. In addition, your Head of Year would be pleased to meet with you. Among the questions you could usefully ask yourself are:

- } What subjects do I enjoy?
- } What subjects am I good at?
- } What are my career aspirations?
- } What subjects will keep my options open?

As far as entry into the Sixth Form at BGSB is concerned, we require, as a minimum, 7 GCSE passes at Grades A* to C. You should aim to get an A* or A in the subjects you wish to study at AS level – unless, of course, you choose a subject which you are not currently studying.

In September 2008 current Fifth Formers who enter the Sixth Form will embark on 4 AS courses. You will be able to express an unrestricted choice and we will endeavour to accommodate as many subject combinations as possible. All AS courses currently on offer will continue to be available. It is possible that some courses will include candidates from both BGSB and BGSG and that some of these courses will be taught by staff from both schools. It may also be possible for a boy from BGSB to join a course at BGSG if his combination of chosen subjects does not fit the timetable at BGSB.

Each AS course will be examined in the summer of 2009. Teaching in preparation for the A2 examinations to be taken in the summer of 2010 will begin as soon as the AS examinations have finished in June 2009. All Sixth Formers will be expected to continue with all four of their AS courses until the end of the summer term 2009. Once the results of the AS examinations are published in August 2009 decisions will need to be made. Those who pass in three or four subjects (excluding General Studies) will be able to enter the Seventh Form and continue with three, or all four, of their A2 courses. (It may be possible for a Seventh Former to reduce to three A2 subjects and to pick up a new AS subject from those subjects available to the Sixth Form in the vacated column.) Those Sixth Formers who fail two or more of their AS subjects may have to leave the school.

Depending on the AS subjects you choose you may sit one or more AS modules in January 2009. Re-sits will be possible in June 2009 – as well as in January and June 2010. You should, however, be aware of the following:

- } Re-sits of AS modules, particularly in the Seventh Form when you will be preparing for A2 modules, will distract from your A2 preparation. You are therefore strongly urged to work hard to achieve your full potential at the first attempt.
- } The cost of re-sits is borne by you and your parents.
- } No study leave will be granted for AS modules taken in January 2009 – other than the morning prior to an afternoon examination.
- } Study leave in May 2009, prior to the main bulk of the AS examinations, will be kept to a minimum so that teaching time can be maximised.

AS and A2 course subjects

As a Sixth Former you will, along with the Seventh Formers, be required to do Games on Wednesday afternoons and Activities on Friday afternoons. You will also be required to sit the AS General Studies examination in 2009 – although you will be free to choose whether or not to sit the A2 General Studies examination in 2010. Your week will, therefore, be made up as follows: 32 periods of academic teaching (8 periods for each of your AS subjects); 3 periods of Games; 3 periods of Activities; and 8 private study periods.

The coming months are important ones for you. We want you to do as well as you possibly can in your GCSE examinations this summer. We will do all we can to help you to fulfil the potential you undoubtedly have. But you are now at an age when you must take more responsibility for your own learning. This requires a disciplined approach to your work; it requires a committed approach to homework – you really should be doing at least two hours' homework each evening; and it requires a disciplined approach to things like sleep and diet and exercise. Set yourselves challenging but realistic targets, and work hard to achieve them. It will be important for your self-esteem to open your results envelope in August and to be able to say: "I think this is the best I could have done". I wish you well for the next few months – and I hope we will see you here next September and that you will have a fulfilling, rewarding and successful final two years at BGSB.



Headmaster
October 2007

There are 23 subjects from which to choose. Their descriptions appear in this booklet in the following order:

- } Art
- } Biology
- } Business Studies
- } Chemistry
- } Classical Civilisation
- } Computing
- } Economics
- } English Literature
- } French
- } Further Mathematics
- } Geography
- } Geology
- } German
- } Greek
- } History
- } Latin
- } Mathematics
- } Music
- } Physical Education
- } Physics
- } Politics
- } Religious Studies
- } Systems and Control Technology

Your Sixth and Seventh Form career at BGSB

2008	
<i>3rd September</i>	Term begins
<i>September</i>	Election of Sixth Form Committee
<i>December</i>	End of term report
2009	
<i>January</i>	Some AS examinations taken
<i>February/March</i>	Presentation to each form by Careers Service on post A-Level choices
<i>April</i>	End of term report
<i>May</i>	Selection of Prefects, House Captains, Games Captains
<i>June</i>	AS examinations taken UCAS procedure initiated: first meeting and UCAS handbooks issued.
<i>July</i>	Form master drafts UCAS testimonials
<i>August</i>	AS results (Headmaster and Head of Careers, Mr Lee, available for consultation and advice)
<i>September</i>	First week of term – second UCAS meeting (arrange private UCAS appointments with a member of the Careers department)
<i>September/October</i>	Headmaster finalises UCAS references; applications sent off before half term
<i>October</i>	Seventh Form Parents' Evening
<i>December</i>	End of term report
2010	
<i>January</i>	Some A2 examinations taken
<i>January onwards</i>	Decisions on which university offers to accept should only be made after consultation with Careers staff
<i>April</i>	Final end of term report
<i>May/June</i>	Study leave and A2 examinations
<i>August</i>	A-Level results (Headmaster and Head of Careers, Mr Lee, available for consultation and advice)

Throughout your Sixth and Seventh Form career:

- } You will be in a form group of between 10 and 15 studying similar subjects.
- } There is a strong possibility that your Form Tutor will either teach you or teach one of the subjects you are studying.
- } The Careers staff are always available, by appointment, for consultation.
- } Appointments may be made via Mr Lee with the Careers Service.
- } Pastoral care in the Sixth Form is in the hands of the Head of Sixth Form, Mr McWilliam, and his Assistant, Mr Dennis.



S C Harvey
October 2007

Art

Head of Department: Mr T A Burns

Board: AQA

Teachers per set: Two

GCSE required in this subject? Yes

AS modules

Unit 1 *Portfolio*

80 marks. 50% of total AS marks/25% of total A Level marks. Set and marked by the centre and moderated by AQA.

Candidates choose one of the endorsements for study throughout AS. The contents of the Portfolio will be determined by the nature of the course of study.

Candidates should produce a collection of materials which exemplifies work carried out during the AS course.

All the work produced for this unit will be marked as a whole.

Unit 2 *Externally-Set Assignment*

80 marks. 50% of total AS marks/25% of total A Level marks. Set by AQA, marked by the centre and moderated by AQA.

Lead-in Period – no more than 8 weeks
Supervised Time – 5 hours

At the end of the lead-in period candidates must complete 5 hours of unaided, supervised time, the first two hours of which should be consecutive. The work produced during the supervised time must be clearly identified.

All the work produced for this unit will be marked as a whole.

Other AS requirements

All coursework is of a practical nature using a variety of media and students will be encouraged to develop their working vocabulary, skill and imagination to a high level. There will be visits to galleries and drawing expeditions.

A2 modules

Unit 3 *Personal Investigation*

80 marks. 25% of total A Level marks. Set and marked by the centre and moderated by AQA

Candidates are required to develop a personal investigation based on an idea, issue, concept or theme supported by 1000-3000 words.

All the work produced for this unit will be marked as a whole.

Unit 4 *Externally-Set Assignment*

80 marks. 25% of total A Level marks. Set by AQA, marked by the centre and moderated by AQA.

Lead-in Period – no more than 8 weeks
Supervised Time – 15 hours

At the end of the lead-in period candidates must complete 15 hours of unaided, supervised time, the first three hours of which should be consecutive. The work produced during the supervised time must be clearly identified.

All the work produced for this unit will be marked as a whole.

Why choose this subject?

A level Art can lead to all art, design and architecture courses and careers. Also, if students are being encouraged to broaden their studies, A level Art gives them a varied and (hopefully) interesting grounding for jobs in Public Relations and other media based careers.

Biology

Head of Department: Mr G A Ferguson

Board: AQA

Teachers per set: Two

GCSE required in this subject? Yes
(either Biology or core and additional science)

AS modules

Module 1 Core principles, including biochemistry, enzymes, cells, gaseous exchange and digestion

Module 2 Genes and genetic engineering

Module 3 Physiology and transport

Other AS requirements

Practical assessment is 15% of AS marks (7.5% of total A level mark).

A2 modules

Module 4 Energy, control and continuity

Module 5 Environment

Module 7 Microbes and disease.

Other A2 requirements

Practical assessment is 7.5% of total A level mark.

Why choose this subject?

Biology is an increasingly important component for medical, paramedical, dentistry, veterinary science, biochemistry and food technology careers as well as work in genetics, physiotherapy, and the environment.

A level Biology provides entry into any biological/environmental science course. As an AS subject, Biology is complementary to a number of other subjects such as sciences, humanities or arts.

Business Studies

Head of Department: Mr M J Curtis

Board: OCR

Teachers per set: Two

GCSE required in this subject? No

AS modules

Unit 1 *An Introduction to Business*
This unit includes such topics as the recruitment, selection and training of labour, sources of business finance, types of ownership, business objectives and the role of stakeholders. Some external influences on businesses are examined e.g. markets, technological change, legal and moral restraints.

Unit 2 *Business Functions*
This unit examines the four main elements of Business Studies: Marketing, Accounting and Finance, People in Organisations and Operations Management.

A2 modules

Unit 3 *Marketing*
This unit looks in greater depth at topics such as market segmentation, marketing and the law, sampling methods, international marketing, the marketing mix, the product life cycle, pricing strategies, advertising, sales promotion and branding.

Unit 4 *Strategic Management*
This unit explores how business objectives and strategy are formulated and applied. You will be tested on your ability to use, explain, analyse and evaluate the material covered in units 1, 2 and 3. A range of external influences e.g. interest rates, exchange rates, taxation and the business cycle will be considered as well as how organisations deal with change.

All units are assessed through written examinations. There is no coursework.

Why choose this subject?

Many students decide to take the subject further on one of the many Business Studies degree courses offered at a great range of further educational establishments. Some specialise within the subject, selecting courses where the emphasis may be on accounting, marketing or law for example. Others take Business Studies with Science or Arts subjects: there are numerous possibilities e.g. combining it with a foreign language.

For those seeking employment immediately after school their knowledge would clearly be relevant for careers in marketing, management, finance, insurance etc.

Other relevant information

Most students find Business Studies an interesting and valuable subject. Its relevance can be appreciated every day as yet more business stories and events hit the news headlines, whilst Britain's prosperity and success depend increasingly on the performance of our business enterprises.

Chemistry

Head of Department: Mr R N Marshall

Board: AQA

Teachers per set: One at AS, One at A2

GCSE required in this subject? Yes
(either Chemistry or core and additional science)

AS Modules

Module 1: *Atomic Structure, Bonding and Periodicity*
(currently taken in January)

- } Atomic structure
- } Amount of substance
- } Bonding
- } Periodicity

Module 2: *Foundation Physical & Inorganic Chemistry*
(currently taken in June)

- } Energetics
- } Kinetics
- } Equilibria
- } Redox reactions
- } Group VII - the halogens

Module 3: *Organic Chemistry/Practical*
(currently taken in June)

- } Nomenclature & Isomerism
- } Petroleum & alkanes
- } Alkenes & Epoxyethane
- } Haloalkanes
- } Alcohols

A2 modules

Module 4: *Further Physical & Organic Chemistry*
(currently taken in January)

- } Kinetics
- } Equilibria
- } Acids & Bases
- } Isomerism in Organic Chemistry
- } Carbonyl chemistry
- } Aromatic chemistry
- } Amines
- } Amino acids
- } Polymers
- } Organic synthesis & analysis
- } Structure determination

Module 5: *Energetics & Further Inorganic Chemistry*
(currently taken in June)

- } Thermodynamics
- } Periodicity
- } Redox Equilibria
- } Transition metals
- } Reactions of Inorganic Compounds in solution
- } Synoptic questions

Module 6: *Synoptic Assessment/Practical*
(currently taken in June)

Why choose this subject?

Firstly, you may be interested in the sciences – chemistry is a fascinating subject which plays a crucial role in our individual health and prosperity, dealing with everything (natural and man-made) in the world around us. Chemistry is the science behind medicine, and the chemical industry is the most successful of the UK manufacturing industries.

Secondly, chemistry offers a host of career opportunities as it provides excellent training for many jobs, both scientific and non-scientific. To be successful in the subject you will need to be able to think logically, and be creative, numerate and analytical. You will be good at taking on new concepts and be good at organising your practical work. These skills are much sought after in many walks of life. Many chemists are employed in manufacturing industries such as oil, chemical, mining, fibres and ceramics; in consumer industries such as food, paper, brewing; in service industries such as transport, health, water treatment, and other diverse areas such as finance, law, politics, purchasing and management. It is fair to say that undergraduates in Chemistry, or related Chemistry degrees are highly desirable in the workplace!

Other relevant information

Core and Additional Science (which is what most pupils in the country take) is adequate preparation for A-level Chemistry.

There is a lot of practical work which is assessed, but we do not do full investigations. We assess skills over many practicals. There is no project work. Practical assessment counts for 15% of the AS and 12.5% of a full A level.

7th form leavers who studied Chemistry at A-level have gone on to the following destinations:

Medicine, Engineering, Pharmacy, Chemistry, Biomedical Sciences, Biological Sciences, Dentistry, Accountancy/Finance, Geography, Geology, Mathematics, Chemical Engineering, Computer Science, Food Science, Actuarial Science, Materials Science, Natural Science, Equine Science, Business Studies, Physics, Veterinary Medicine, Optometry, Law, Genetics, Architecture, Physiotherapy, Surveying/Land Management, Sports Studies, Accountancy.

AS from September 2008

In the light of changes to GCSE Chemistry, the AS specification will change as of September 2008. At present only Draft Specifications have been published. The new course will be of similar structure, six units, but the content of each will differ, as will the coursework element. The department intends to stay with AQA.

Classical Civilisation

Head of Department: Mrs J Hone

Board: OCR

Teachers per set: Two or possibly three

GCSE required in this subject? No

AS modules

Module 1: Greek Epic

Module 2: Greek Tragedy

Module 3: Greek Comedy

These modules can be changed according to the interests of particular groups.

A2 modules

Similar to AS: three modules with a wide choice of topics from Greek and Roman civilisation and literature.

Other A2 requirements

Coursework is optional in A2 and replaces 1 module. It will consist of an essay of 3000 words on **any** relevant topic.

Why choose this subject?

Classical Civilisation A-level can lead to a degree in Classical Civilisation, Ancient History or Archaeology. This A level could also support an English degree (some universities run Classical Civilisation courses to support English Literature). Other popular career choices following Classical Civilisation degrees are marketing,

management, journalism, teaching. (See Latin and Greek for career opportunities for Classics graduates.)

Other relevant information

Classical Civilisation is a lively and varied course. Its popularity as a subject is proved by the growing number studying it at university.

Computing

Head of Department: Mr P Meakin

Board: AQA

Teachers per set: Usually Two

GCSE required in this subject? No

AS modules

Module 1: *Problem Solving, Programming, Data Representation and Practical Exercise*
(60% of AS level, 30% of A level)

Module 2: *Computer Components, The Stored Program Concept and The Internet*
(40% of AS level, 20% of A level)

Module 2 is assessed by a traditional one hour paper exam. Students' programming skills are tested by the completion of a practical exercise set by AQA which is undertaken in April and May. The completed practical exercise is assessed as part of a two hour on-screen examination for Module 1 in June.

A2 modules

Module 3: *Problem Solving, Programming, Operating Systems, Databases and Networking*
(30% of A level)

Module 4: The Practical Project (20% of A level)

Module 3 is assessed by a two and a half hour paper exam. Candidates are able to choose their own practical project and work on this throughout the year. The project is assessed through the write-up that the candidate produces for it, not an examination.

Why choose this subject?

Studying A Level Computing leads directly to a wide range of interesting careers such as systems analysis, computer programming, web site management, network management, games development or management consultancy. There is currently considerable demand for graduates with computing-related degrees as the number of graduates is falling.

Computing develops logical problem solving skills which are useful in other subjects. Students interested in taking courses such as engineering or mathematics at university may find that they need to write computer programs as

part of their courses. Computing and Business Studies/Economics is also a popular combination as many aspects of management consultancy relate to using computer systems to improve the performance of a business. Many students following other subjects such as History or languages find the practical elements of the course are a contrast to their other A Level courses.

Other relevant information

A Level Computing is a very different course from GCSE Information and Communication Technology. Whilst the GCSE focuses on the use of application packages such as spreadsheets, students following the A Level course learn how to write new computer software using a programming language and study how computer systems work.

Most students who take this subject have never programmed before. We use the Pascal language for teaching. It is however possible for students to work in a different language if they wish to. Self motivation is very important when learning to program. Students need to show persistence and determination to improve their understanding of programming languages and to debug programs.

If you are considering a career in computing it is worth looking at the entrance requirements for university courses before choosing your A level options as some universities require A Level Mathematics for some Computing courses.

Economics

Head of Department: Mr M J Curtis

Board: OCR

Teachers per set: Two

GCSE required in this subject? No

AS modules

Unit 1 *Markets in Action (Micro-economics)*
This unit examines the reasons for individuals, organisations and societies having to make choices and how competitive markets work to allocate resources. It also considers why markets can fail and the ways governments intervene to correct this failure.

Unit 2 *The National and International Economy (Macro-economics)*
Causes and consequences of inflation and unemployment; economic growth; exchange rates; the balance of payments are some of the topics considered in this unit along with government policy instruments to influence all the above.

English Literature

Acting Head of Department: Mr D E Armsbey

Board: AQA

Teachers per set: Two

GCSE required in this subject? No

A2 modules

Unit 3 *Economics of Work and Leisure*
This unit looks at the nature of work and leisure in the UK and recent trends in employment and earnings. Also examined are competition and market structures in leisure markets such as holidays, spectator sports and broadcasting. How wage levels are determined and the role of trade unions and government will be studied.

Unit 4 *The Global Economy*
The macro-economic performance of the UK is looked at in this unit including the fiscal, monetary and supply side policies used by government to achieve its aims. The benefits and costs of international trade are examined including the role of the European Union and the Euro. Problems faced by developing economies and the economics of globalisation are studied including the work of the IMF and the World Bank.

Why choose this subject?

Economics will combine well with AS/A2 subjects from both the arts and science sides. It requires a reasonable level of numeracy but is not mathematical. As the two subjects complement each other, an increasing number of students combine it with Business Studies.

Economics creates career opportunities in both the private and public sectors in the U.K. and abroad. A high proportion of economists go into financial work for industrial firms, banks, central and local government, accountants, research organisations and professional bodies. A qualified economist can expect to earn pay above the average for a graduate.

Other relevant information

Anyone hoping for a career in e.g. banking, accountancy, business management, the civil service and politics would be expected to have some understanding of the economic environment which shapes everyone's daily life in some way or other. Even if it doesn't lead to a lucrative career students will enjoy learning how the real world works enabling them to analyse events and make more rational decisions as adults.

AS modules

(all exams in June; coursework required)

Unit 1 *Texts in Context*
Either:
} Victorian Literature
} World War One Literature
} The Struggle for Identity in Modern Literature

60% of AS marks

Unit 2 *Creative Study (coursework)*
} One prose text and one drama text to study
} Two tasks; one on each text. 2500 words

40% of AS marks

A2 modules

(all exams in June; coursework required)

Unit 3 *Reading for Meaning*
Candidates sit a closed book exam involving unprepared extracts and wider reading on the theme of Love Through the Ages.

60% of A2 marks

Unit 4 *Extended Essay and Shakespeare Study (coursework)*
} A study of three texts including a Shakespeare play.
} The coursework is an extended comparative essay of 3000 words.

40% of A2 marks

Why choose this subject?

Some study English Literature for the pleasure of it – for the enjoyment of learning about characters and societies and ideas and techniques of story-telling, and for the enjoyment of thinking for oneself.

Those who are studying a foreign language often say that they find the way in which English Literature is approached useful – it helps them cope with French and German literature.

Those who are studying Arts subjects, which demand language skills, often claim that contact with good writing in English is valuable.

Some university courses (e.g. History or Law) which do not insist on English Literature as a necessary qualification nevertheless think it a particularly appropriate supporting A level.

French

Head of Department: Mr J Kendall

Board: AQA

Teachers per set: Two

GCSE required in this subject? Yes

AS modules

Candidates have to prepare 2 modules: Unit 1 is a written paper of 2 hours which tests reading, listening and writing skills; Unit 2 is a speaking test conducted by one of the candidate's teachers and lasting, including preparation time, 35 minutes. Among the topics covered during the year will be media, popular culture, healthy living, lifestyles and family and relationships.

A2 modules

As at AS candidates will prepare 2 modules: Unit 3 lasts 2 hours 30 minutes and tests the same skills as Unit 1, and Unit 4 is the speaking test which again lasts 35 minutes in total and is conducted by one of the candidate's teachers. Topics studied during the year will include the environment, the multi-cultural society, contemporary social issues and a cultural topic. The cultural topic could be the study of a French-speaking region, of a period of 20th Century history or a work of literature.

Why choose this subject?

To learn about another society and culture and have the pleasure and satisfaction of communicating with the people of another country in their own language.

At university French can be studied as a single subject or in combination with a large number of other subjects. Many students study two languages, one of which they may have started from scratch, but French can equally well be combined with another Arts subject, Law, Business Studies or a science. Some graduates will take up careers such as teaching or interpreting and translating, where their language skills are used daily, but many will have careers in business and commerce and other fields where the ability to speak a language, combined with other skills, could be a valuable asset.

Other relevant information

Boys who have not done French in the fifth form can take AS and A2 French with confidence. The AS and A2 courses are practical courses whose main aim is to ensure that candidates who complete them successfully are capable of understanding French at a fairly high level and of communicating effectively in the language.

We, together with the Girls' School, operate an exchange with a lycée in Dijon, and boys will have the opportunity to spend a week in Dijon at least once in the two year A-level course.

Further Maths

Acting Head of Department: Mr A C J Young

Board: Edexcel

Teachers per set: Three

GCSE required in this subject? Yes

6th Year

We will study modules C1, C2, C3, C4, M1 and M2, whose descriptions are given on the page for Mathematics. (This will lead to an A-level in Mathematics).

7th Year

We will study modules Further Pure 1, Further Pure 2, Further Pure 3, Mechanics 3, Statistics 1 and either Statistics 2 or Mechanics 4. (This will lead to an A-level in Further Mathematics).

- } FP1: Inequalities; series; complex numbers; numerical solution of equations; first order differential equations; second order differential equations; polar coordinates.
- } FP2: Coordinate systems; hyperbolic functions; differentiation; integration.
- } FP3: Complex numbers; matrix algebra; vectors; Maclaurin and Taylor series; numerical methods; proof.
- } M3: Further kinematics; elastic strings and springs; further dynamics; motion in a circle; statics of rigid bodies.
- } S1: See Single Maths for S1 topics.

either

- } S2: Binomial and Poisson distributions; continuous random variables; continuous distributions, samples, hypothesis tests

or

- } M4: Relative motion; elastic collisions in two dimensions; further motion of particles in one dimension; stability.

Why choose this subject?

The same reasons as for Mathematics, though the breadth and depth of your Mathematics knowledge and experience will be significantly greater, and will give you a significant advantage when tackling various degree courses, such as Engineering, and of course Mathematics itself. Furthermore, you encounter some of the more fascinating aspects of the subject when you study Further Maths.

Other relevant information

To make time for the extra work covered in Further Maths compared with just Mathematics, you are taught for 12 periods a week compared with the 8 for other subjects – but this is rewarded with 2 A-levels from this one choice – Maths at the end of the 6th Year, and Further Maths at the end of the 7th Year.

There is no coursework with this syllabus.

The details given above for the content of the FP modules are correct for the current version of the syllabus – but changes which have not yet been published are due for September 2008.

A level Geography is a suitable background for a great variety of degree courses and careers: for example Geography itself, the environment, business and commerce.

Geography

Head of Department: Mr M E Bradley

Board: AQA (Specification B)

Teachers per set: Two

GCSE required in this subject? No

AS modules

1. Core including population, resource management, meteorology, hydrology and Geography skills.
2. Physical Geography options: Glaciation or Coastlines or Urban Physical Geography.
3. Human Geography options: Recent Urban Change or Historical Geography.

Other AS requirements

Parts of the course will involve fieldwork: local river (the Bollin), urban study (in Manchester) and a visit to Coniston for glaciation.

A2 modules

1. Core.
2. Decision Making Exercise.
3. Geography Skills (including geographical investigation).

Other A2 requirements

A level Geography involves a residential field course. In previous years, this has taken place in the French and Swiss Alps, and on the Isle of Arran. It is currently taking place along the world heritage coast of Dorset, based in Swanage.

Why choose this subject?

Geography has transformed as a school and university subject over the last decade. It is now a truly multidisciplinary subject, tackling issues from urban regeneration to climate change and globalisation.

Politicians and environmentalists now agree that the biggest challenge facing mankind is global warming. Geography will enable you to join this contentious debate with knowledge, and to provide solutions for future generations.

Geology

Head of Department: Mr D A Bishop

Board: Welsh (WJEC)

Teachers per set: Two

GCSE required in this subject? No

AS modules

Unit GL1 *Foundation Geology*

Introduction unit to geology, covering basic aspects of rocks, minerals, fossils and the earth's internal structure.

Unit GL2 *Investigative Geology*

This is a skills unit which will be taught, reinforced and developed continuously.

Unit GL3 *Geology and the Human Environment*

Geologically related hazards such as earthquakes and volcanoes.

Fieldwork } 3 day residential course in South Shropshire
} 3 half-day field trips to local sites.
} 1 day field trip to Derbyshire.

Other AS requirements

There is an option to take assessed fieldwork or to do a practical exam. The syllabus recommends three days minimum of geological work in the field. Any investigative work is assessed within GL2 where there is a problem-solving exercise, including a geology map to interpret.

A2 modules

Unit GL4 *Extension Geology*

An extension unit to develop the ideas of GL1.

Unit GL5 *Thematic Geology*

A choice of 2 geological themes (Quaternary Geology and Geology of Natural Resources).

Unit GL6 *Geological Investigations*

2 internally-assessed pieces of coursework based on field and lab work. (15% of the marks).

Fieldwork } 3 day residential course in the Lake District,
} 1 day at Alderley Edge.

Why choose this subject?

Geology A level would be relevant to students wishing to take a geological science or an environmental course at University, whilst an AS in Geology could be useful to students studying Civil Engineering.

Also Geology is suitable at AS or A2 to go with Biology or Geography.

Other relevant information

No prior learning in Geology is required.

The AS specification is designed to provide a course ideally suited to broaden an AS programme by complementing a science course or providing a contrasting course within the Humanities. Unit GL3 identifies the importance of geology to society, and includes enquiry-based investigation of issues and the presentation of written reports, which can enrich a Humanities programme.

German

Head of Department: Mr D R Lee

Board: AQA

Teachers per set: Two

GCSE required in this subject? Yes

AS modules

There are two modules: Unit 1 (70% of total AS/35% of total A2 marks) is assessed by Listening, Reading and Writing. Unit 2 (30% of the total AS/15% of the total A2 marks) is the Speaking Test.

We shall build on the skills acquired at GCSE and learn about topics relevant to the culture and civilisation of the German-speaking countries, such as the media, popular culture, healthy living and the family and relationships.

A2 modules

Again there are two modules which mirror those taken at AS.

We will examine such issues as racism, the environment and contemporary social issues which affect us all. In addition we will read together some works of modern German literature and watch German films which you will then be able to write and speak about with confidence.

Why choose this subject?

Essential for further study of the subject at university. Those who can communicate effectively in German will find it a most useful skill for business, work and leisure. It combines well with other subjects, including sciences, and students have been led in many directions: careers in management, the City, merchant banking, accountancy,

the Law, media and advertising to name a few are all open to those who speak the language along with the more obvious professions of teaching and translating.

Other relevant information

There will be regular conversation classes with our Assistant(in) in which oral fluency can be developed.

There is also the opportunity of visiting Germany through our well-established link with our partner school in Cologne.

Greek

Head of Department: Mrs J Hone

Board: OCR

Teachers per set: Two

GCSE required in this subject? Yes

AS modules

Module 1 *Prose unseen*

Defined vocabulary list of 1000 words

Module 2 *Literature*

Appreciation and comprehension

Module 3 *Literature*

Translation and essay

A2 modules

Module 4 *Prose and verse unseen*

Module 5 *Literature*

Essay and literary appreciation

Module 6 *Comprehension on unseen passage or prose composition*

Why choose this subject?

Latin, Greek, Classical Civilisation and Ancient History can be studied at university in various combinations; any one of the four subjects can be studied alone or in joint honours courses. All lead to highly respected and marketable degrees.

Over recent years graduates from the Classics Department at Manchester University have moved on to many different careers:

- } Law. All Arts graduates have to do a conversion course to study Law.
- } Management consultancy. In this field graduates are trained on the job, while receiving a full salary.
- } Journalism. Classics cultivates excellent linguistic skills which are vital for journalists.
- } Advertising.

} Computer world. The analytical skills cultivated by the study of inflected languages are desirable for the complicated field of computer technology.

} Art. One graduate was employed by Sotheby's while studying for a post-graduate degree in Fine Art.

} Business. Some students have set up their own businesses following Classics degrees. Others have embarked on a six-month special course to enhance their business acumen.

This list is impressive, but it is by no means exhaustive. There are many other career options open to students: at least one Classics graduate from Oxford became a fighter pilot in the R.A.F., and there are the obvious related careers such as teaching and Archaeology.

A Classics degree not only leads to many career options, but is also a highly respected degree, which is likely to impress most potential employers. Furthermore studying Classics at AS or A Level also produces a very respectable qualification for any UCAS form.

History

Head of Department: Mr M J Hone

Board: OCR

Teachers per set: Two

GCSE required in this subject? Preferred, but not essential

AS modules

Module 1 *Period Study*

British Foreign and Imperial Policies 1945-90.

Module 2 *History Enquiry*

The USA and the Cold War in Asia 1945-75.

Other AS requirements

Each AS Module is assessed in a written paper each lasting 1½ hours and worth 50% of the total AS marks (25% of the total A-level marks).

A2 modules

Module 1 *Historical Interpretations and Investigations*
Coursework Unit.

Module 2 *Historical Theme*

Britain and Ireland, 1798-1921.

Other A2 Requirements

Module 1 involves the production of two pieces of coursework of 2,000 words each, one focusing on Interpretations and the other on Investigations, the topics to be chosen by the candidates in discussion with their teachers. Each piece is worth 10% of the total A-Level marks. Module 2 is assessed by a written paper lasting two hours and worth 30% of the total A-Level marks.

Why choose this subject?

The skills acquired in the study of History are relevant to a wide variety of degree courses and careers. These skills include the use of evidence to argue a case, the identification of the most important reasons for a particular decision or event and the ability to write reports which are concise, relevant, highlight the key points and are lucidly and logically argued. For this reason, History is one of the main A levels studied by people aiming to do a Law degree and provides crucial preparation for a wide variety of professions including journalism, the Civil Service, accountancy, insurance, the armed forces, advertising and marketing amongst many others. Indeed the skills acquired are relevant to any managerial post.

Other relevant information

Wherever possible students attend appropriate revision courses and visit relevant Historical sites. In the AS year, History and Politics students visit London to tour the Houses of Parliament and meet the local MP. The two AS modules will be supported by a visit to the National Cold War Museum in Shropshire. It is planned to continue the Department's well-established biennial trip to Dublin to support the A2 'Britain and Ireland' module. The course summary given above assumes that we shall continue with the OCR Examination Board for the new A-Level specification starting in September 2008. There is still a possibility that we may subsequently decide to change Examination Boards, but in that case it is intended to teach a course similar in content to that outlined above.

Latin

Head of Department: Mrs J Hone

Board: OCR

Teachers per set: Two (or possibly three) jointly with BGS

GCSE required in this subject? Yes

AS modules

Module 1: *Prose Unseen*

defined vocabulary list of 1000 words

Module 2: *Literature*

appreciation and comprehension

Module 3: *Literature*

translation and essay

A2 modules

Module 4: *Prose and verse unseen*

Module 5: *Literature*

essay and literary appreciation

Module 6: *Comprehension on unseen passage, or prose composition*

Why choose this subject?

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A Classics degree not only leads to many career options, but is also a highly respected degree, which is likely to impress most potential employers. Furthermore studying Classics at AS or A Level also produces a very respectable qualification for any UCAS form.

Other relevant information

In the current 6th and 7th years, Latin is taught jointly with the Girls' School.

Mathematics

Acting Head of Department: Mr A C J Young

Board: Edexcel

Teachers per set: Two

GCSE required in this subject? Yes

AS modules

We study modules Core 1, Core 2 and Mechanics 1. (This will lead to an AS level in Mathematics).

- } C1: Algebra and functions; coordinate geometry in the (x, y) plane; sequences and series; differentiation; integration.
- } C2: Algebra and functions; coordinate geometry in the (x, y) plane; sequences and series; trigonometry; exponentials and logarithms; differentiation; integration.
- } M1: Mathematical models in mechanics; vectors in mechanics; kinematics of a particle moving in a straight line; dynamics of a particle moving in a straight line or plane; statics of a particle; moments.

A2 modules

We study modules Core 3, Core 4 and either Mechanics 2 or Statistics 1.

- } C3: Algebra and functions; trigonometry; exponentials and logarithms; differentiation; numerical methods.
- } C4: Algebra and functions; coordinate geometry in the (x, y) plane; sequences and series; differentiation; integration; vectors.
- } M2: Kinematics of a particle moving in a straight line or plane; centres of mass; work and energy; collisions; statics of rigid bodies.

or

- } S1: Mathematical models in probability and statistics; representation and summary of data; probability; correlation and regression; discrete random variables; discrete distributions; the Normal distribution.

There is no coursework with this syllabus.

Why choose this subject?

As well as being a fascinating subject in itself, Mathematics is an essential tool in sciences, particularly Physics. Furthermore, A-level Mathematics is an essential prerequisite for many degree courses, particularly the various types of Engineering. You could study a degree course in Mathematics: a wide variety of career options is available to the Mathematics graduate. Some of these require subject-specific knowledge and skills that are part of the Mathematics degree; others may depend mainly on "higher-order skills" such as thinking logically and quantitatively, numeracy, analytic skills and the ability to analyse and solve difficult problems. Mathematics degree courses are designed to give a good mathematical education and to develop these higher order skills.

The following table shows the first destination of Mathematics graduates six months after they graduated in 1999 from the University of Manchester.

Actuarial work, accountancy and banking 23%

Other financial and administrative work including research, scientific and engineering support and marketing 12%

Computing 5%

Other UK Employment 14%

Further academic study 18%

Teacher training 9%

Returned overseas, still seeking or not available 8%

Unknown 11%

Only 4% of the graduates were known to be still seeking employment six months after graduation.

Music

Head of Department: Mr C N J Hyde

Board: AQA

Teachers per set: Two

GCSE required in this subject? Yes

AS modules

Unit 1 *Understanding Music*
(40% AS, 20% A level).

} Exploring Musical Language; four set works answerable by essay.

} Development in Musical Genres; essay questions on a topic chosen by candidate.

Unit 2 *Composition*
(30% AS, 15% A level)

2 works to be submitted, in any style. This option may include use of music technology. One work must be inspired by the set works and one capable of realisation by the candidate.

Unit 3 *Performing*
(30% AS, 15% A2)

Two works to be performed in any style, one of which must be the candidate's own composition and one must be between 5 and 10 minutes long.

A2 modules

Unit 4 2½ hour listening paper in 3 sections
(15% of total).

This paper covers a wide range of musical styles, including those of the most recent years.

Unit 5 *Investigation, Report and Composition*

Assessed by centre (15% of total).

This paper takes the form of a report prepared by the candidate on a subject of his own choice, based on the study of two works or groups of works.

Unit 6 *Performance and Viva Voce*

Assessed externally (15% of total).

The total performing time should be between 7 and 10 minutes.

Why choose this subject?

Music is required if one is seeking a degree in the subject or joint honours with another subject. However, as an academic qualification in its own right it is an excellent support for any humanities course and gives breadth to otherwise science-based courses. The diversity of the course allows candidates to express themselves in a way few other courses can match.

Other relevant information

Music tests so many diverse skills that it allows very able candidates to shine but often exposes weaker candidates. Essay writing, analysis, aural discrimination, performance, composition and assimilation are all assessed. The course allows great flexibility and all styles are covered, but it cannot be a course of study in the candidate's own preferred musical style.

The course offers great freedom to choose one's own areas of study, but requires self-discipline and critical self-appraisal in the coursework elements.

A new A-Level syllabus will replace this current example from September 2008. Much of the content will be the same or similar, but as of yet I have only seen a draft proposal for the new syllabus.

Physical Education

Head of Department: Mr L M Hilton

Board: Edexcel

Teachers per set: Three

GCSE required in this subject? Not essential, but preferable.

AS modules

The AS module areas are concerned with the identification of factors which affect the establishment and improvement of performance at the foundation level of participation.

Unit One seeks to investigate the historical and cultural basis for sport in order to develop an understanding of the current role and provision that sport maintains in society. Within this, the role of physical investigation in

the education system and the involvement of government provide for analysis of both sport and recreation in the UK and throughout Europe. The unit also investigates the social factors that influence both performance and participation. There is provision for the extension of the analysis by examining a range of contemporary issues, which are studied using the modern Olympic games as a case study.

Unit Two deals with individual pupils' improvement in performance, which will be dependent upon their ability to acquire, apply and evaluate knowledge and understanding. This module is divided into three sections, which will facilitate this process:

Section A: requires pupils to study cognitive aspects related to skill acquisition through the medium of practical activities.

Section B: relates to the practical application and pupils are offered a choice of assessment.

Section C: is concerned with analysis whereby pupils must analyse a performance related to their own choice of activity and demonstrate their understanding of related aspects.

Unit Three advances the pupils' understanding of anatomy and physiology through the principles and methods of training. The applied physiology is concerned with individual responses and adaptations through exercise. Pupils will keep a record of their performances in an Individual Performance Portfolio.

AS examination

Module 1: 30% of AS mark
15% of A2 mark
Written paper

Module 2: 40% of AS mark
20% of A2 mark
Coursework

Module 3: 30% of AS mark
15% of A2 mark
Written paper

A2 Modules

For pupils who wish to complete the full A-level course a further three modules are studied. These provide pupils with the opportunity to develop and extend the knowledge, skills and understanding gained at AS to enable them to identify factors which lead to the optimisation of their own, or others', performance.

Unit Four looks at global trends in international sport. Pupils develop the ability to compare sport and recreation in a number of different regions. They will then draw together the areas of social basis of sport and recreation issues investigated in Unit One.

Unit Five is concerned with the refinement of performance. This is achieved by building upon the enhancement of performance achieved in Unit Two. Again there will be three sections related to the process of acquiring, applying and analysing to facilitate the development of understanding to lead to the improvement of performance. Pupils will be expected to develop and perform a Personal Exercise Programme.

Unit Six advances the pupils' knowledge acquired in Unit Three and provides an extension through the study of energy systems. This will help to provide an essential link to the pupils' understanding in relation to the Personal Exercise Plan. Knowledge is further advanced through the requirement to study a related discipline of either sports psychology or sports mechanics.

A2 Examination

Module 4: 15% of A level mark
Written paper

Module 5: 15% of A level mark
Coursework

Module 6: 20% of A level mark
Written paper

Both courses provide a choice of coursework options, allowing pupils the opportunity to demonstrate their knowledge, skills and understanding through the option that suits the candidate's best needs.

Why choose this subject?

For pupils with an interest in sport, AS/A level Physical Education provides a greater understanding of the cultural, historical, psychological, scientific and sociological basis for physical education.

The aims of the course are that by learning about and through a range of physical activities pupils will be able to:

- } Develop knowledge, skills and understanding of the factors which influence the quality of performance.
- } Apply the knowledge, skills and understanding to a range of activities to improve performance.
- } Evaluate performance and plan for its improvement.
- } Develop an understanding of the socio-cultural, moral, global and contemporary factors in physical education which affect participation in and provision for sport and physical activity.

The Edexcel specification for 2008 entry has not been published yet. There will be some alterations and amendments to the current specification, but on the whole the content is very similar.

Other relevant information

This course involves quite a lot of science, so strength in sciences at GCSE level is important; in fact, a very strong GCSE scientist who has not studied PE at GCSE could do well at A-Level PE.

Physics

Head of Department: Mr C A Davidson

Board: AQA

Teachers per set: Two

GCSE required in this subject? Yes
(either Physics or core and additional science)

A new A-Level is being introduced next year. The specifications have not yet been fully defined.

Why choose this subject?

Physics gives an insight into the way that the universe works as well as the various ways that man has tried to see patterns behind the workings.

As well as being interesting in its own right the qualification is a requirement for many Science and Engineering degrees.

Other relevant information

All of the modules contain a fair degree of Maths. It may be studied without AS/A2 Maths but you will be required to attend one Support Maths lesson per week taught by a member of the Physics department.

Politics

Head of Department: Mr M J Hone

Board: AQA

Teachers per set: Two

GCSE required in this subject? No

AS modules

Module 1: *People, Politics and Participation*

Module 2: *Governing Modern Britain*

Other AS requirements

Each AS module is assessed in a written paper lasting 1½ hours worth 50% of the total AS marks (25% of the total A-Level).

A2 requirements

Module 3: *Political Ideologies*

Module 4: *The Government of the USA*

Other A2 requirements

Each A2 module is assessed in a written paper lasting 1½ hours worth 25% of the total A-Level mark.

Why choose this subject?

The study of politics is of relevance to a wide variety of degree courses and careers. The skills that you learn will be useful for many areas of employment. You will develop analytical and research skills and the ability to effectively debate a point of view. A level politics can help if you are considering a career in the following areas; law, broadcasting, journalism, teaching, civil service, the media, local and national government to name just a few.

Other relevant information

Wherever possible the Department organises attendance at appropriate revision courses and student conferences. From time to time we invite outside speakers such as academics and politicians (e.g. Ivan Lewis MP) to address the students. In the AS Year Politics students pay a visit to London to tour the Houses of Parliament and meet the local MP.

Religious Studies

Head of Department: Mr A L Stacey

Board: Edexcel

Teachers per set: Two

GCSE required in this subject? No

Note that in this subject, the whole A-level course consists of four equally-weighted units.

AS units

The AS consists of two units, each worth half of the marks for the year:

Unit 1: *Foundations*

Exploring the foundations of the Philosophy of Religion and Buddhism assessed by one written examination lasting 1hr 45mins (June only)

Philosophy of Religion

A study of the philosophical arguments for the existence of God

A study of selected problems in the philosophy of religion:

{ Problems of evil and suffering, different types of problems and solutions

{ A study of philosophical debates about miracles: concepts of miracle; reasons to believe in miracles; philosophical problems with reference to Hume

Buddhism

The life and work of the Buddha

Key emphases in teaching and practice:

- { The three refuges, meaning and significance
- { Types and purposes of meditation, their context and application

Unit 2: *Investigations*

Exploring an area of personal interest

This unit is assessed by an external examination of 1hr 15mins (June only)

A2 units

The A2 consists of a further two units, each worth half of the marks for the year:

Unit 3: *Developments*

Extending the knowledge, understanding and skills developed in Unit 1

Assessed by one written examination lasting 1hr 45mins (June only)

Philosophy of Religion

A study of further philosophical arguments for the existence of God

A study of selected problems in the philosophy of religion:

- } Beliefs about life after death: reincarnation; rebirth; resurrection; immortality of the soul
- } A study of religious language: analogy; language games; myth and symbol; verification and falsification debates

Buddhism

The life and work of Ashoka

- } Selected concepts: dukkha; anatta; anicca; nirvana; bodhisattvas
- } A study of selected texts from Buddhist Scriptures

Unit 4: *Implications*

Responding to a written passage relating to Philosophy or Buddhism

Assessed by one written examination lasting 1hr 15mins (June only)

Why choose this subject?

Religions make some big claims. For example 'God exists and not only that, He is both all-powerful and all-good'. Can this be true? What arguments could be used to prove it? IF God is good then why would such an all-powerful being create a world full of suffering? On the other hand, around 2500 years ago, a man called Siddhartha Gautama (the Buddha) claimed to have discovered the way to overcome all suffering and achieve permanent happiness here and now. Investigating these remarkable claims about God and the Buddha forms a key part of Religious Studies at A-level.

Religious Studies provides the opportunity to develop a range of transferable skills, e.g. collecting, synthesising and interpreting information from a range of sources,

communicating the findings of your research and identifying links between the different parts of the subjects studied. These skills are in great demand and are recognised by employers and universities as being of great value.

Religious Studies combines well with almost all other Humanities AS and A level subjects such as History, Geography and English. If taken with subjects like Mathematics, Physics, Chemistry and Biology, Religious Studies will supply a broad based curriculum and some welcome variety.

Systems & Control Technology

Head of Department: Mr D Hailwood

Board: AQA

Teachers per set: Two

GCSE required in this subject? No

Electronics and Engineering are an integral part of our everyday lives, but they remain a mystery to many people. This AS/A2 level course gives students a substantial insight into these wide-ranging subject areas. For those students wishing to take the subject further, the course provides an excellent foundation for a degree course.

Systems and Control Technology offers candidates an opportunity to gain personal satisfaction and a positive experience from working with a variety of systems. The practical problem-solving process in this subject will encourage independent learning, creativity and innovation.

AS outline

At AS, candidates will have the opportunity to work with and study a variety of materials, components and systems and production methods to develop an understanding of the working characteristics, properties, cost and availability which influence their use in design situations. The specification will expand knowledge and understanding of the basic elements of design, and how these can be effectively applied within the area of systems and control technology. Candidates will gain an understanding of market influences and industrial and commercial practices.

The AS specification has 2 units:

Unit 1 *Topic list*

- } A variety of materials, components, mechanics and systems to introduce their working characteristics, properties, cost and availability which influence their use in design situations
- } Basic elements of design, and how these can be effectively applied within the area of systems and control technology
- } The concept of input-process-output and its role within systems and control
- } Modelling methods appropriate to systems and control and their role in the design process
- } The manufacturing methods available for the production of prototypes, systems and products
- } Commercial manufacturing methods, scales of production and industrial practices and their influence on design decisions
- } Industrial and commercial practices within the appraisal of products and systems
- } The application of appropriate criteria in the appraisal of products and systems.

Assessment

- } Written Exam: 2 hours
- } Weighting: 50% of total AS / 25% of total A Level marks

This paper is based primarily on Materials and Components. Consisting of three sections:

- } Section 1 contains compulsory limited response questions
- } Section 2 offers a choice of one question from two
- } Section 3 contains one compulsory question.

Unit 2 *Coursework*

- } Assessment
Coursework: Approx 50 hours
- } Weighting: 50% of total AS / 25% of total A Level marks

Written (or electronic) design portfolio and manufactured outcome(s)

Coursework may take a number of forms; a single design-and-make project, two smaller projects and/or a portfolio of work.

A2 outline

At A2, the specification offers candidates the opportunity to further develop the knowledge and practical skills from AS. Candidates will continue to develop a body of design work alongside an understanding of the materials, processes and design within contemporary, commercial product manufacture.

The A2 specification has 2 units:

Unit 3 *Topic list*

- } Processing systems, composite and 'new' materials and components
- } Computer simulation and its use to emulate an environment, product, or system
- } The use of ICT, with emphasis on its integrated use for such things as stock control, ordering, production analysis
- } Range of information-gathering techniques used to identify a possible market or product success
- } The role of the designer in relation to the different parties involved in the design and manufacture of a product from its inception to its final use
- } Ergonomics and anthropometrics; the relationship between people, products and the environment
- } Methods of harnessing alternative energy sources, energy transmission and storage.

Assessment

- } Written Exam: 2 hours
- } Weighting: 25% of total A Level marks

This paper is based primarily on Design and Manufacture. It is the Synoptic paper.

- } Consisting of two sections ('Design and Market Influences' and 'Processes and Manufacture') with a choice of three questions from six.
- } Candidates are required to answer one question from each section and also a final question from either section.
- } This written paper will include sufficient synoptic assessment to test the candidates' understanding of the connections between the different elements of the subject and their holistic understanding of the subject.

Unit 4: *Coursework*

- } Assessment
coursework: Approx 60 hours
- } Weighting: 25% of total A Level marks

Written (or electronic) design folder and manufactured outcome(s)

Candidates submit evidence of a single, substantial designing and manufacturing activity.