



Altwood School Sixth Form

Subject Choice

Information

2017-2018



Art and Design

Examination board: AQA

A level requires the minimum of a grade C at GCSE

An Art and Design education should enable students to develop their creativity physically and intellectually. Our students are encouraged to enjoy the challenges of art, design, photography and textiles by developing practical skills, exploring the wider world of art and using an aesthetic vocabulary. At A-Level students are expected to demonstrate a greater depth of study and specialisation in a particular medium.

Visits to London galleries including; Tate Modern, Tate Britain, National Gallery, National Portrait Gallery, Royal Academy and a London Architecture photo-shoot.

To extend learning in Art and Design students should join our after school life drawing classes, join local Art clubs and classes in the community, work with younger students at Art clubs inside/outside of school, and enter local competitions such as Windsor's Arts Festival.

Students are expected to use their independent study time to complete homework tasks, address all teacher action points and meet deadlines. There is a sixth form art study located in the Art department with place to work and store their art work safely. Approx. 4 hours a week of independent study is expected.

Course Content

This is a practical based subject where the content produced over the two years forms the basis of the grade. 60% Portfolio /Component 1 and 40% Component 2 and Externally Set Assignment.

A2 Level

Portfolio: September 2016 – March 2017

Building up a portfolio of work, developing a range of new skills and techniques. Each term will focus on a different topic including, natural forms, architecture, the human form and a concept.

Component 1: Personal Investigation and Dissertation: April 2017 – January 2018

Personal investigation. A practical investigation supported by written material, includes a 1000-3000 word dissertation.

Component 2: Externally controlled assignment

On receipt of the AQA set assignment paper in February, students develop ideas and explore processes. Following this preparatory period students must complete work in supervised conditions. A-Level – 15 hours

The work produced is graded by an externally visiting moderator at the end of year 13, sent on behalf of the exam board.

All the top Arts universities expect students to complete an Art Foundation Diploma prior to degree level. Many Altwood students go to Reading College and Buckinghamshire New University to complete this course. Options further afield include Central Saint Martins, Chelsea College, University of Kingston and Loughborough.

Many students go on to higher education in art and design, then aim to become a Photographer, Architect, Costume/Set Designer, Art & Design Teacher, Gallery and Museum work, Advertising, Art Therapist, Model Maker, Display/Window Dresser, Jeweller, Exhibition Designer, Fashion Designer, Fine Artist, Visual Effects Designer, Textile Designer, Illustrator, Cartoonist, Interior Designer, Landscape Designer, TV/Film Director, Make-up Artist, Packaging Designer, Painter Decorator...just to name a few.

Often students who study Art and Design often study Media Studies, Design Technology, English, History, Languages or Business Studies alongside to compliment the subject.

Biology

Examination board - AQA

A level requires the minimum of a B grade in Applied Science and Triple Science at GCSE and a grade 6 in Maths

A-level Biology will give you the skills to make connections and associations with all living things around you. It is such a broad topic that you are bound to find a specific area of interest and it opens the door to a fantastic range of interesting careers.

All students are expected to research and read around topics in their own time in order to cope with the demands of the course.

Topics include –

Biological molecules

Cells

Organisms exchanging substances with their environment

Genetic Information

Genetics, populations, evolution and ecosystems

Energy transfers in and between organisms

The control of gene expression

There is no coursework on this course but your performance during practicals will be assessed. The AS has two exams at the end of the year which are both 1 hour and 30 minutes long. At the end of two years you will sit three exams which are all two hours long. At least 15% of the marks are based on what you learnt in your practicals.

Practicals will give you the skills and confidence you need to investigate the way things behave and work. It will also ensure that if you go on to study a Biology- based subject at university you will have the practical skills needed to carry out successful experiments in your degree. Practical activities will include using microscopes to see cell division, dissection of animal or plant systems, aseptic technique to study microbial growth, investigating activity within cells, investigating animal behaviours and investigating distributions of species in the environment.

According to bestcourse4me.com, the top seven degree courses taken by students who have a Biology A-level are Psychology, Biology, Sport and exercise science, Medicine, Anatomy, Physiology and Pathology Pharmacology, Toxicology and Pharmacy Chemistry.

Career opportunities include Doctor, Clinical molecular geneticist, Conservation officer, Pharmacologist, Research scientist, Vet, Marine biologist and Dentist.

Business Studies BTEC Level 3

Examination Board - Edexcel

This course requires a good understanding of Maths and English at Grade 4

The BTEC Level 3 is a 2 Year course that will be equivalent to 2 A levels. You will complete 8 units over the 2 years. There will be a combination of internally marked coursework, a controlled assessment and an exam taken at the end of Year 12. Assignments will come in a variety of formats such as Powerpoint presentations, articles and reports.

You will complete the following units:

Exploring Business

Developing a Marketing Campaign

Personal and Business finance

Managing an Event

International Business

Principles of Management

Business Decision Making

Recruitment and Selection Process

As well as completing all the work by the deadlines set, we also expect students to have an interest in the business world and regularly read the business news to extend their understanding within the subject.

We have strong links with businesses in the local area and regularly visit them, as well as inviting in guest speakers.

Warwick, Bath and Bournemouth Universities all have credible Business departments.

A Level 3 qualification in Business Studies can open up a realm of job opportunities from starting up your own business to being a successful manager in Human Resources or Marketing....the possibilities are endless!

Business Studies A Level

Examination Board - AQA

This course requires a grade 5 in Maths and English at GCSE

A GCSE in Business Studies is not essential.

The Business Studies A Level covers a range of topics including:

Managers, leaders and decision making in marketing, operational, human resource and financial performance.

Strategic decision making and analysing business performance.

Students are expected to have an interest in the business world and regularly read the business news to extend their understanding within the subject.

The course ends with 3 exams at the end of Year 13.

We have strong links with businesses in the local area and regularly visit them, as well as inviting in guest speakers.

Warwick, Bath and Bournemouth Universities all have credible Business departments.

A Level 3 qualification in Business Studies can open up a realm of job opportunities from starting up your own business to being a successful manager in Human Resources or Marketing....the possibilities are endless!

Chemistry

Examination board – OCR

A level requires the minimum of a B grade in Applied Science and Triple Science at GCSE and a grade 6 in Maths

A-level Chemistry will give you an exciting insight into the contemporary world of chemistry. It covers a range of different contexts, conveying the excitement of contemporary chemistry. This combination of academic challenge, relevant context and practical focus makes the prospect of studying A level Chemistry highly appealing. You will learn about chemistry in a range of different contexts and the impact it has on industry and many aspects of everyday life.

You will learn to investigate and solve problems in a range of contexts and have the opportunity to build practical skills through a range of experiments and investigations. You will develop knowledge, competence and confidence in problem solving and learn how society makes decisions about scientific issues and contributes to the success of the economy and society.

The course will give each student an interesting and challenging experience to link key chemical ideas and understand how they relate to each other. It will also develop transferable skills including decision making, problem solving, research and analytical skills.

All students are expected to research and read around topics in their own time in order to cope with the demands of the course.

Topics include –

Elements of life

Developing fuels

Elements from the sea

The ozone story

What's in a medicine?

The chemical industry

Polymers and life

Oceans

Developing metals

Colour by design

There is a total of 6 hours of examinations (2 x 2 hours 15 minutes and 1 x 1 hour 30 minutes) taken at the end of the course. The papers consist of a wide range of question types including multiple choice, short answer and extended response questions. To achieve a Practical Endorsement you will be required to display competency in following procedures, applying an investigative approach when using instruments and equipment, working safely, making and recording observations, researching, referencing and reporting.

A level Chemistry is an excellent base for a university degree in healthcare such as medicine, pharmacy, dentistry, biological sciences, physics, mathematics, pharmacology and analytical Chemistry. It is also taken by many law applicants as it shows you can cope with difficult concepts and it compliments a number of Art subjects.

Career opportunities include Chemical, Manufacturing, Pharmaceutical, forensics, Environmental protection and Healthcare.

Examination board - AQA

A level requires the minimum of grade 6 in Maths

The AS will consist of two components, which will be externally assessed and weighted at 50% each. The A Level will consist of three components, two of which will be externally marked question papers making up 80% of the qualification. The other 20% will be the coursework project, which will retain its current qualities but will be more focused, with greater emphasis on coding and programming with a simple assessment model and marking criteria.

Topics covered include –

Computing Principles

Algorithms and Problem Solving

Computer Systems

A programming project

Other areas covered include –

Elements of computational thinking

Programming

Algorithms

Computer Scientists are highly sought after by all good Universities. Computing is an ever expanding are of academia with new course being introduced each year as a result of the technological revolution.

Future career opportunities include Computer Programming, Software engineer, Network Manager, Systems Analysis and Design.

Design & Technology Product Design

Examination board AQA

A level requires the minimum of a grade C in Design and Technology at GCSE

At least 15% of the written examination must assess mathematical skills. The level of maths content is higher tier GCSE Maths.

Design is all about innovation and meeting the needs of an intended user. To fully prepare A level students for a possible career or degree in this field of study we aim to develop their skills in a wide range of practical, designing and investigative activities. This includes modelling and manufacturing products in a range of resistant and compliant materials including wood, metal, plastics, composites, modelling materials. Using CAD/CAM packages and testing the suitability of design concepts out on different end users.

What is the nature of assessment? 50% examination 50% NEA (non-examined assessment)

Year 12

A range of design brief tasks developed in response to a contextual challenge set by the awarding organisation, and a final prototype(s) based on that design brief

Year 13

A final prototype(s) based on a design brief developed by the Learner [i.e. it must have a client who can analyse and feedback to the student on the usefulness of their design ideas]

We organise a trip to the Design Museum in London during Yr 12 and offer students the opportunity to enter National Design competitions as part of their Yr 12 design tasks

Universities that have specialist Design related degree courses in Product Design- Industrial Design – Design Engineering – Architecture – 3D Design include:

Brunel University, Loughborough, Nottingham Trent, University of Bath, Leeds University

Many students who study Product Design tend to either study maths or physics which would tend to lead into STEM based courses at University. Some study ICT along with Product Design and these students can often move onto programming or software design related courses.

There are those who study Product Design with arts based subjects as the creative options are then often pursued, an art foundation course is then often a popular pathway chosen.

English Literature

Examination board - Edexcel

A level requires the minimum of a grade 5 in English at GCSE

Students who study English Literature at A Level are confident and enthusiastic about novels, plays and poetry. They can convey ideas in a fluent and coherent way and are able to explore multiple interpretations of texts studied. Students continually develop a critical response to writers' use of language, structure and form which, in turn, enhances their ability to deconstruct the overall effectiveness of a text. They develop their independent learning through personal study and wider reading in an attempt to further their own personal knowledge and challenge ideas about what they have learnt. Students who study English Literature are keen to think innovatively and prefer to develop their own approach to tasks set which shows a good appreciation of their own skills as a learner.

On the course students study:

Component 1: Drama: William Shakespeare's 'Othello' and Tennessee Williams' 'A Streetcar Named Desire.' Assessed: Examination

Component 2: Prose: Thomas Hardy's 'Tess of the D'Urbervilles' and Khaled Hosseini's 'A Thousand Splendid Suns.' Assessed: Examination

Component 3: Poetry: Selected poems and anthology. Assessed: Examination

Coursework: One comparative essay referring to two texts.

English Literature can lead to great careers:

Law
Digital copywriter
Editorial assistant
English as a foreign language teacher
Lexicographer
Magazine journalist
Newspaper journalist
Primary school teacher
Secondary school teacher
Writer

English Literature can complement many subjects, the most popular subjects are: Media, History and Philosophy and Ethics.

Extended Project Qualification (EPQ)

Examination board - AQA

Requires the minimum of a grade 5 in English and Maths at GCSE

The EPQ is a researched based qualification which is largely independent. There will be 1 hour of teacher contact a week so each student can embark on a self-directed and self-motivated project. The student chooses a topic and then plans, researches and develops their ideas concluding in a finished project. The topic can be directly related to a student's main study programme but beyond the specification.

The EPQ is assessed through a written report of 5,000 words or in the form of an artefact accompanied by a shorter written report of 1,000 words. An artefact can be a short film, a short story, a social event, a piece of art-work or a realised design.

Students will also be assessed throughout the project by keeping a production log as the process of recording and completing a project is as important as the finished project. Assessment marks will also be gained via a presentation by the student of their learning journey.

Students will learn to–

Apply organisational skills and strategies to meet objectives

Manage, identify, design, plan and complete a project

Use resources and research by obtaining and selecting information from a range of sources, analyse data and demonstrate an understanding of any appropriate connections and complexities of their topic

Develop and realise by using a range of skills including using new technologies in order to solve problems and to take decisions critically, creatively and flexibly

Review by evaluating the outcome including their learning and performance

The EPQ carries a half an A - level weighting and universities are increasingly including it as part of a standard offer. It is often used to help them decide between similar students post results so it can be the difference between a student getting into their chosen university or not.

An EPQ qualification is recognised and valued by all employers due to the wide range of skills the student will gain.

French / Spanish

Examination board - AQA

A level requires a good grade GCSE French/Spanish

A-level French/Spanish helps students develop confident, effective communication skills in French and a thorough understanding of the culture of countries and communities where French is spoken. It develops an interest in, and enthusiasm for, language learning and encourages students to consider their study of the language in a broader context.

To maximise their potential in French/Spanish, students should –

Watch TV/films in target language,

Read online news in target language

Keep a break-down of topics/units/course content so they can prepare accordingly

Keep up to date with social issues and trends, Political and Artistic culture and grammar

Read a novel and watch at least 1 film in target language. Spanish students can attend an extra-curricular cinema club on the first Thursday of every month.

Language assessment consists of written exams and oral exams. You must be able to talk in a group and before an external examiner for oral exam.

Students should try to read/listen to something in the target language every day to improve their language skills.

Many universities offer language degrees or the opportunity to study a language alongside another subject with a year abroad.

A level French/Spanish can lead onto a career in Business, Education, Politics, Research, Customer services or almost anything.

Those who study a Language often choose English Literature, History or Government & Politics to compliment it.

Geography

Examination board - AQA

A level requires the minimum of a grade C at GCSE

The course involves both building on topics studied at GCSE and introduces new topics like Changing Places.

The Course is Linear and involves 2 exams at AS level that are 1 hour and 30 minutes each

- Physical Geography (Coasts and Hazards)
- Human Geography (Changing Places and Fieldwork)

The A level course includes 3 components including 2 exams that are 2 hours and 30 minutes in length

- Physical Geography (Water, Deserts, Glaciers and Ecosystems)
- Human Geography (Global governance, Changing Places and Urbanisation)
- A fieldwork project must be completed which will be of 3-4,000 words in length.

To collect data for the project several days will be spent at a Field Study Centre where equipment and local expertise can be utilised. Slapton FSC in Devon has been a popular venue with previous geographers due to its unique coastal and isolated rural location

Students will be expected to undertake challenging tasks and often wish to continue their studies at University where a degree is seen as a very useful entry into many different jobs due to its wide breadth of study

Famous Geographers include Michael Palin.

Examination board - AQA

A level requires the minimum of a grade 5 in English and a C grade in History at GCSE

From 2017 Government and Politics will move to new linear specification so at present the outline of the course has not been finalised by the exam boards. It is thought that it will follow a similar framework as the current course which requires students to study –

Year 12

- Unit 1

Participation and Voting Behaviour

Political Parties

Electoral Systems

Pressure Groups and Protest Movements

- Unit 2

The British Constitution

Multi-level Governance

The Core Executive

Parliament

Year 13

- Unit 3a

Political Parties

Voting behaviour

The Electoral Process and Direct Democracy

Pressure Groups

- Unit 4a

Constitutional Framework of Government

Judiciary: The Supreme Court

Congress

The Executive

Government and Politics gives you an excellent basis from which to embark on a wide variety of potential degree subjects including History, Politics, English, Law, Languages, Sociology, Teaching, Economics and many more.

Future career opportunities include Marketing, Sales and Advertising, Business and Financial Professionals, International Manager, Financial Crimes Investigation, IT, Web Project Officer, Foreign Office, Civil Service, Politician, Social and Welfare Professionals.

Government and Politics is complemented by History.

History

Examination board - AQA

A level requires the minimum of a grade 5 in English and C grade in History at GCSE

In the History A level there are 3 components –

- A 200 Year breadth study of the Tudor era
- A depth study of Russia in Revolution.
- Coursework which at present is based on the fall of the Roman Empire.

The final exam consists of 2 papers on the breadth and depth studies, with 40% for each paper. The coursework component is worth 20% of the final exam.

Students are expected to do additional reading outside of lesson and are given reading lists of the most up to date text books available. The local library should be a first port of call but students should remember that their Library can and will bring books in upon request.

History is an academically challenging subject and viewed with high regard by Universities.

There are many history graduates and it is not necessarily seen as a subject which will lead to a history related job. It is viewed more as an enabling subject that allows critical evaluation and extended comprehensive writing of a high standard.

Graduates range from Sasha Cohen to Lord Sainsburys.

ICT BTEC Level 3

Examination Board - Edexcel

This course requires a good understanding of Maths and English.

Why choose BTEC Nationals?

Young people taking their first step into a new career need the right blend of **technical and academic skills** to support them. And we know that employers and Higher Education are looking for highly skilled, job-ready individuals with a strong work ethic.

That's why we've created the new BTEC Nationals in collaboration with over 5,000 universities, employers and professional bodies with **employability at the heart**, so your learners can develop the skills and confidence they will need to step into a prosperous future.

The infographic includes three video thumbnails on the left, each with a URL: 'Why universities choose BTEC' (quals.pearson.com/BTECprogressGuide), 'Why employers choose BTEC' (quals.pearson.com/BTECprogressGuide), and 'Why students choose BTEC' (quals.pearson.com/BTECSuccessGuide). On the right, three callout bubbles contain the following statistics:

- 95% of universities and colleges in the UK now accept BTECs** – including Oxford University (Source: UCAS, Meeting the Needs of Learners, Providers and Universities (2016))
- The number and proportion of students entering university with a BTEC has doubled** between 2008 and 2014 from 44K to 85K (Source: UCAS, Meeting the Needs of Learners, Providers and Universities 2016)
- BTECs have the highest rates of learner progression, than any other vocational qualification particularly to Higher Education** (Source: Department for Business, Innovation & Skills report on 'Social Mobility: Contribution of Further Education and Skills')

The BTEC Level 3 is a 2 Year course that will be equivalent to 2 A levels. You will complete 8 units over the 2 years. There will be a combination of internally marked coursework, a controlled assessment and an exam taken at the end of Year 12. Assignments will come in a variety of formats such as PowerPoint presentations, articles and reports.

You will complete the following units:

- Principles of computer science
- Fundamentals of computer systems
- Planning and management of computing projects
- Software design and development project
- IT systems security and encryption
- Business applications of social media
- The Impact of Computing

Birmingham, Southampton and Kings College London all have credible ICT departments.

A Level 3 qualification in ICT provides you with all the necessary knowledge to enter into a career in ICT or Computing. The ICT industry is incredibly varied but this expansive qualification will allow you to specialise in a certain area either in Higher education or the workplace.

Mathematics

Examination board - Edexcel (To be confirmed following accreditation)

A level Mathematics requires the minimum of a B grade (Higher Tier) at GCSE but will consider C grades on a case by case basis.

Course Aims

A Level Mathematics is an exciting, interesting and challenging subject. This course is a two year linear course. The aim is to develop your understanding of Mathematics and mathematical processes in a way that promotes confidence and fosters enjoyment. You will extend your Mathematics skills and techniques and be able to recognise how a real-life situation may be represented mathematically. You will develop skills in reasoning, logic, evaluation, comprehension and problem solving.

General Content

A Level Mathematics is divided into three units (as seen below in the table). These are made up of two Pure Mathematics units and one Applications unit. The latter contains topics from mechanics and statistics. Mechanics is the study of practical problems involving motion and forces and is a good choice if you study Physics. Statistics focuses on probability and data analysis and is a combination course to the study of Economics. Typical content will include: mechanics, statistics, vectors, numerical solutions, integration, differentiation, functions and geometry.

The major differences between GCSE and A-level are:

- Greater emphasis on your ability to analyse questions requirements
- A greater proportion of questions whose solution requires more complex steps
- More rigour in the way you express yourself mathematically and use correct notation
- A far greater expectation that you will act independently to resolve any difficulties with understanding.
-

Skills

The course assumes mastery of higher level number and algebra skills at GCSE. You will be extending your knowledge of algebra and trigonometry as well as learning some brand new topics such as calculus. If you enjoy the challenge of problem solving, this course will be very appealing. An appreciation and enjoyment of the subject, an excellent work ethic, an inquisitive mind and a resilient attitude will bring about success.

What you need to know

Prior to the start of the course we would expect all students to have a clear and confident understanding of algebra including:

- Setting up and solving simple linear equations including simultaneous linear equations
- Solving quadratic equations by using factorisation, the quadratic formula and completing the square
- Using index laws for multiplication and division of integer, fractional and negative powers
- Using surd form including rationalising a denominator

Aptitudes required

Initially, A Level Mathematics appears to be very different from GCSE because you need to be able to recognise both the topic and techniques that are relevant to a particular question. You should have the ambition to master the new methods in order to experience the satisfaction of solving a problem successfully.

Work-load and types of work

In the early stages of the course you will be given exercises which strengthen your understanding of new concepts encountered in lessons. Later on you will have end of topic work sheets and tests which develop your ability to solve problems under timed conditions.

Methods of Assessment

The course is equally weighted across the three exams, each of which is 2 hours long and worth 100 uniform marks.

All examinations must be taken at the end of the course in Year 13.

Assessment Criteria

Qualification	Component	Overview	Assessment
A level Mathematics	Paper 1:	AS content assessed at A	2 hours
	Pure Mathematics 1	level standard	100 marks
	Paper 2:	Remaining pure content	2 hours
	Pure Mathematics 2	which builds on and Incorporates AS content.	100 marks
	Paper 3:	Section A: Statistics	2 hours
	Statistics and Mechanics	(50 marks) Section B: Mechanics	100 marks
		(50 marks)	

A-Level Key Changes

- All assessments will be linear, with 100% examination.
- A level Mathematics will have 100% prescribed content, containing both pure and applied (no optional content).
- Mechanics and Statistics will be part of the compulsory content for A level Mathematics students

Future with Mathematics

Mathematics students at Altwood School will prepare students to move into Higher Education courses. The opportunities for students of Mathematics, on completion of full-time education, are considerable. It complements and supports other courses, for example: Physics, Chemistry, Design Technology and Business Studies. Qualifications in Mathematics are acceptable as an entry to many different careers. The Mathematics A-Level course and AS course are designed to provide academic and vocational experiences.

Progression and Career Opportunities

A Level Mathematics is highly regarded within higher education and is required at the top Universities to study Mathematics, Economics and Engineering. The Russell Group of leading UK universities has published *Informed Choices*, a guide to post-16 subject choices, which listed A Level Mathematics as a facilitating subject.

Furthermore, with an A-Level Mathematics qualification, you will be able to apply to Cambridge and Warwick Universities to access the Advanced Extension Award in Mathematics and/or Step Papers as part of their course offers. These courses are offered to the most able mathematicians.

Mathematics graduates have one of the highest rates of graduate employment. Mathematicians enter a very wide range of career areas ranging from Aerospace and Defence to Finance. Studying Mathematics provides you with valuable skills and a firm base for life-long learning and will help students who intend to study a variety of subjects ranging from economics to medicine.

Higher education courses that are strongly related to A Level Maths include Economics, Architecture, Engineering, Accountancy and Actuarial Science, Computing, and Information Technology. Likewise, you might consider pursuing the study of mathematics at degree level or even get involved in mathematical research at postgraduate level.

For further information on graduate jobs visit [**mathscareers.org.uk**](http://mathscareers.org.uk)

Media Studies

Examination board - WJEC

A level requires the minimum of grade 5 in English at GCSE

You will learn to make connections between different media forms and products, between media products and their contexts, and between theory and practical work.

You will engage with a range of rich and stimulating media forms and products.

You will develop media production skills, apply their knowledge and understanding of the theoretical framework to media forms and products. Debating and discussion skills are useful.

A Radio club and Film club are on offer as extra-curricular activities

To extend learning in Media students should engage in media forms outside of lesson time

You will study products from 9 media forms -

- Television
- Magazines
- Online media
- Music videos
- Video Games
- Advertising and film marketing
- Newspapers
- Radio
- Film(Industries only)

You will sit 2 examinations in year 2. Both are worth 35% leaving 30% coursework (based on audio visual extract or print publication)The coursework allows for learners to develop media production skills and become active creators of meaning. You will explore your own interests when responding to a choice of set briefs in a range of forms such as:

TV: create a cross media production to include a sequence from a new television programme and related print or online products

Advertising and marketing (Film): Create a cross media production to include a print marketing campaign for a new film, and related audio visual or online products

Advertising and marketing (Music): Create a cross media production to include an original music video for a new or local unsigned band or artist and related print or online products.

Magazine: create a cross media production to include a new print magazine and related audio visual or online products

How much reading/independent learning should students undertake to succeed in this subject?

Lots and Lots! Students will need to study various set texts and some of their own in order to respond in detail to the questions in the exam. Independent learning, research and reading is expected.

Southampton, Newcastle, St Marys, Kings College London, Warwick and Cardiff Universities are considered specialists in Media.

Typical career pathways include –

Media planner

Multimedia specialist

Programme researcher, broadcasting/film/video

Public relations officer

Runner, broadcasting/film/video

Television/film/video producer

Advertising account executive

Broadcast journalist

Editorial assistant

Event organiser

Information officer

Magazine journalist

Market researcher

Writer

The A level subjects that compliment Media include Photography, Art, Business, IT or Philosophy and Ethics.

Subject name: Physical Education

Examination board - OCR

A level requires the minimum of a C grade at GCSE

The course is split into seven theoretical areas which are examined in three papers at the end of Year 2. There is also a 'Performance in Physical' mark which is based on a performer's practical ability in one sport and their ability to evaluate and analyse the performance of others.

Content	Assessment Overview
Applied anatomy and physiology	Physiological factors affecting performance (01)
Exercise physiology	2 hour written paper with 90 marks
Biomechanics	30% of total A level
Skill acquisition	Psychological factors affecting performance (02)
Sports psychology	1 hour written paper with 60 marks
	20% of total A level
Sport and society	Socio-cultural issues in physical activity and
Contemporary issues in physical	sport (03)
Activity and sport	1 hour written paper with 60 marks
	20% of total A level
Performance or Coaching	Performance in Physical Education (04)
Evaluation and Analysis of Performance	60 marks (non-examined)
for Improvement (EAPI)	30% of total A level

What activities are being offered extra-curricular?

Additional activities follow the Physical Education Department extra-curricular timetable. Clubs are on every lunchtime and after school.

To extend learning wider reading is essential along with coaching and leading in Key Stage 3 lessons. Attendance of an external club for the practical element of the course is advisable.

Assessment is made up of three examinations and a practical element examined by staff and then moderated against other centres.

Students will need to present to the moderator for the practical element of the course and discuss and evaluate the strengths and weaknesses of others, creating an action plan for improvement.

The course is mostly theory and practical lessons are rare. It is the expectation that students participate in sport outside of lesson time.

Students need to read and carry out independent study/research for an additional 9 hours over each two week period.

What universities are considered a specialist in your subject area.

Loughborough, Exeter, Brighton and Chichester are considered specialist PE universities and they consider this subject as a science.

Typical career pathways include Physiotherapy, Sport Scientist, Sport Psychologist, Nutritionist, Personal Trainer, Sports Coach, Sports Journalism, Sports Retail, Sports Development Officer, Outdoor Activities Instructor and PE teacher.

Physics, Biology, Chemistry, English, Maths, Media, Geography, Philosophy and Ethics compliment this subject at A level.

Philosophy and Ethics

Examination board - Edexcel

A level requires a C grade at GCSE and a grade 5 in English

"The great virtue of philosophy and ethics is that it teaches not what to think, but how to think. It is the study of meaning, of the principles underlying conduct, thought and knowledge". Philosophy & Ethics is a highly respected subject by top universities and employers as it demonstrates ability to understand different religions and cultures and clearly shows a higher, more intellectual order of thinking. Ethics is a branch of philosophy concerned with morality. It explores actions and consequences, motives, moral decision-making and human nature.

Ethics can be broadly divided into two:

- 1) Ethical theory – covers systems or methods for making moral decisions
- 2) Practical or applied ethics

If you are going to study ethics seriously, you must be prepared to examine your views critically and be open to a range of ideas that may be different from your own. What you read may challenge your convictions. At the very least, it will require you to re-examine them.

The course gives you the opportunity to develop your philosophical thinking skills and put very famous arguments to the test. It is an excellent preparation for university, as we encourage learning through discussion, engagement with famous primary texts and independent research. You don't have to be religious to study this course. You just have to be interested in the most important questions that humans can ask and you must be prepared to think logically and critically about the way that you argue.

Skills gained in this subject -

Clear & Logical thinking

Critical evaluation

Literacy & Expression

Negotiating

Organising

Planning

Problem solving

Research

Working to deadlines

Philosophy consists of the following units -

- The Cosmological Argument
- The Teleological Argument
- The Problem of Evil & Suffering
- Religious Experiences
- The Ontological Argument

Ethics consists of the following units -

Religion & Morality (Background)

- Utilitarianism
- Situation Ethics
- Investigations
- Religion & Morality
- Sexual Ethics
- Natural Moral Law
- Virtue Ethics
- De-Ontology

You will sit 3 exams at the end of two years of study.

Philosophy and Ethics is a well-regarded A Level which can lead students into almost any course of further study. It is a particularly good background for students who are interested in research in the commercial or industrial sector as it is a subject which requires students to ask the big questions about human behaviour and motivation.

Religious Studies graduates move into a variety of careers: law, travel, advertising, human resources, diplomacy, publishing, journalism, the media and teaching.

Many go on to do postgraduate study or professional training, sometimes after a period of employment.

Physics

Examination board – AQA

A level requires the minimum of a B grade in Applied Science and Triple Science at GCSE and a grade 6 in Maths

A-level Physics allows you to explore the fundamental nature of everything we know.

You will learn to investigate and solve problems in a range of contexts and have the opportunity to build practical skills through a range of experiments and investigations. You will develop knowledge, competence and confidence in problem solving and learn how society makes decisions about scientific issues and contributes to the success of the economy and society.

All students are expected to research and read around topics in their own time in order to cope with the demands of the course.

Topics include -

Particles and radiation

Waves

Mechanics and energy

Electricity

Nuclear physics

Measurements and their errors

Fields

Further mechanics and thermal physics

There is no coursework on this course but your performance during practical's will be assessed. The AS has two exams at the end of the year which are both 1 hour and 30 minutes long. At the end of two years you will sit three exams which are all two hours long. At least 15% of the marks are based on what you learnt in your practical's.

Practical's will give you the skills and confidence you need to investigate the way things behave and work. It will also ensure that if you go on to study a Physics- based subject at university you will have the practical skills needed to carry out successful experiments in your degree.

According to bestcourse4me.com, the top seven degree courses taken by students who have a Physics A-level are Mathematics, Physics, Mechanical Engineering, Computer Science, Civil Engineering, Economics and Business. Career opportunities include Geophysicist, Field seismologist, Research scientist, Meteorologist, Structural engineer and Systems developer. You can also move into Astrophysics, Nanotechnology, Renewable energy and mor

Public Services Diploma BTEC

Examination board - Pearson

Public Services requires the minimum of a grade 4 at GCSE in Maths and English

This Public Services BTEC Diploma Level 3 course is designed to equip students with a practical and theoretical foundation for careers in the uniformed public services and to prepare you for the nature and pressure of public services work.

Students will gain an understanding of this industry in general and an insight into the various career options available to them. Learning and assessment is done by completing activities and assignments that are based on realistic public services situations, tasks and demands. These will develop and test confidence, initiative, independence, fitness and approach to challenges.

The coursework is also designed to prepare students for university level work.

Students will also take part in practical team building exercises and leadership activities, which include visits to the Services.

What will you study?

- Police powers in the public services
- Behaviour in public sector employment
- Aspects of the legal system and the law making process
- Fitness testing and training for the uniformed public services

How will you be assessed?

- Assessment
- Coursework
- Practical activity
- Study visits
- Team building

What can I do after the course?

Employment within the uniformed public services, business sector or progression into Higher Education.

Sociology

Examination board - AQA

A level requires the minimum of a grade 5 in English at GCSE

How the course is assessed: 3 exam papers at the end of year 13

Overview

Sociology is the scientific study of human societies. It is about all kinds of social relationships that people share with each other; in their families, in their schools and in work.

This qualification offers an engaging and effective introduction to Sociology. Students will learn the fundamentals of the subject and develop skills valued by higher education and employers, including critical analysis, independent thinking and research. Sociology is a popular choice among students, it involves the study of a thing (i.e. society) that we all exist in. So, before you have even opened a sociology textbook you will already have acquired some knowledge of society. Sociology invites us to challenge and question our common sense assumptions about society and develop a sociological imagination.

The class offers an introduction to the basic nature of society and the relationship between society and the individual. This course focuses on how society functions and is organized, and how society impacts and influences individual motivation, understanding, action, and well-being. Basic sociological ideas regarding social relations, social interaction, social structure, and social change are examined. Students are introduced to key issues addressed by contemporary sociologists; class, race, gender, sexuality, religion, globalization, education, health care, crime, the media, and the environment. The knowledge gained in this course will aid students in future studies within a variety of fields and careers, and encourage the development of critical thinking about important issues.

It is expected that students should be familiar with the content of serious newspapers and publications such as Social Trends and Sociology Review. Students will not be required to be aware of any specific research articles; however, they should be able to draw on such material in order to provide supporting evidence for answers.

Course Objectives

Upon successful completion of this course students will be able to:

- Identify how the sociological perspective illuminates understanding.
- Discuss specific areas of study within sociology.
- Synthesize the local and global nature and impacts of social circumstances.
- Critically examine theoretical perspectives and be able to apply them to current issues.
- Evaluate ideas and debates using the sociological perspective.

What universities are considered a specialist in your subject area – The top 16

CUG Rank		University Name	Entry Standards	Student Satisfaction	Research Quality	Graduate Prospects	Overall Score
2017	2016						
1	1	Cambridge	551	4.15	2.98	82	100.0
2	3	Durham	452	4.08	2.90	77	94.6
3	2	Bath	395	4.16	3.23	78	93.9
4	8	Edinburgh	480	3.87	3.16	64	93.8
5	14	Aberdeen	435	4.00	2.86	71	93.0
6	11	Exeter	424	4.28	2.99	62	92.6
7	6	Glasgow	429	4.22	3.20	62	92.5
8	5	Surrey	421	4.38	2.91	63	92.2
9	9	Loughborough	364	4.19	3.35	68	92.0
10	13	Leeds	400	4.19	3.12	64	91.9
11	25	Sussex	357	4.09	2.75	79	91.9
12	-	King's College London	448	3.88	3.01		91.8
13	7	Warwick	404	4.06	2.76	65	90.9
14	12	Lancaster	362	4.21	3.21	64	90.9
15	15	York	376	4.22	3.27	60	90.5
16	22	Nottingham	363	4.02	3.13	67	90.2

Sociology can lead to an FE Sociology or social sciences course, or courses in Social Work, Social Science, Human Resource Management, Nursing, Advertising or Teaching.

You could pursue a career in Market Research, Management and Recruitment, child care, working with the elderly or people with specific learning disabilities and the Police.

The subjects that compliment Sociology are Psychology, Sciences, History, Geography, Philosophy & Ethics, Media, Law, Criminology

Performing Arts Diploma BTEC

Examination Board – Pearson

This course requires a good understanding of English grade 4

The Foundation Diploma is for learners looking to study performing arts as a one year, full time course, or for those wishing to take it alongside another area of study as part of a two-year, full time study programme.

It is made up of 6 units of which 4 are mandatory and 2 are external.

Mandatory content 76%

External assessment 41%

The mandatory content consists of four units covering the following content areas:

- Skills and techniques for performance
- Group performance – skills and techniques, wider transferable skills such as being able to work collaboratively, personal management and organisation (rehearsals, time management), being able to give and take direction, confidence in front of an audience, problem solving (refining the process) and teamwork (essential when dancing as a group)
- Performing arts in the community – learners can look to participate in community projects in order to enhance creative knowledge and opportunities
- Research, critical analysis and extended writing skills that aim to support learners' progression to higher education. As possible future performing arts practitioners, learners will gain a good understanding of the work of influential practitioners to inform their own work and practice.

Learners can choose two optional units that have been designed to support progression to a range of related courses in higher education, and to link with relevant occupational areas.

They cover content areas such as:

- Acting
- Dance
- Musical theatre

In addition to the performing arts sector-specific content, this qualification provides learners with the opportunity to develop all-round performance skills and transferable skills such as self-confidence, self-presentation, personal discipline, time management and organisational skills which are highly regarded by higher education and employers. The qualification is intended to carry UCAS points and is recognised by higher education providers as contributing to meeting admission requirements for relevant courses. When taken alongside another Level 3 qualification, the BTEC National Foundation Diploma in Performing Arts will offer the opportunity to progress onto performing arts-related degree courses or to Apprenticeships in related sectors.

Examination board - Edexcel

A level requires the minimum requirement of Grade 6 in Maths and English and Grade 7 in a Science subject

Year 12

AS Paper 1

Social Psychology and the social influence surrounding such topics as obedience and prejudice. Cognitive Psychology focuses on memory, forgetting and the key issue of eyewitness testimony.

AS Paper 2

Biological Psychology consists of topics such as autism and the influence of genes and the nervous system on human behaviour. Learning Theories cover the classical conditioning, operant conditioning and social learning theory and also the key issue of media violence.

Year 13

A2 Paper 1

Foundations in Psychology consists of social, cognitive, biological, learning theories and issues and debates.

A2 Paper 2

Applications of Psychology consists of Clinical Psychology and a choice of one topic from Criminal, Child or Health Psychology

A2 Paper 3

Psychological Skills include research methods, synoptic review of studies, issues and debates

Many students go on to study Psychology at university and take up careers linked to the subject such as Child/Educational or Clinical Psychology, Psychiatry and Social Work.

Other related careers include Human Resources, Probationary Work, Teaching, Marketing, Advertising and the legal professions