



Altwood School Sixth Form

Subject Choice

Information

2019-2020



Art and Design

Examination board: AQA

A level requires the minimum of a level 5 grade 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.

A Level

Portfolio: September 2019– March 2020

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 2020 – January 2021

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

Component 2: Externally controlled assignment February 2021- May 2021

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 art based university courses 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, Ravensbourne, 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 level 6 grade at GCSE

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 first year has two exams 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 A Level

Examination Board - AQA

A-Level requires the minimum of a level 5 grade 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:

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

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.

Universities with strong Business Studies departments include:

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 and it is a subject that complements a range of other A level courses

Chemistry

Examination board – OCR B (Salters)

A level requires the minimum of a level 6 grade at GCSE

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 and 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, Pharmaceuticals, Forensics, Environmental protection and Healthcare. Many Chemistry graduates also enter the financial services sector in banking and management consultancy because of the analytical aspect of the subject.

Computer Science

currently a consortium offered subject

Examination board - AQA

A level requires the minimum of level 6 grade in Maths at GCSE

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 area of academia with new courses 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: Eduqas

A level requires the minimum of a level 5 grade in D&T and Maths 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, 3D printing, composites, modelling materials. Using CAD/CAM packages and testing the suitability of design concepts out on different end users.

Course Content

This is a practical and written based subject where the content produced over the two years forms the basis of the grade.

Component 1: Design and Technology in the 21st century written examination: 3 hours. 50%

The examination includes a mix of structures and extended writing questions assessing learner's knowledge and understanding of:

- Technical principles
- Designing and making principles.

Along with their ability to:

- Analyse and evaluate wider issues in design and technology.

50% written examination/ Component 1 and 50% Component 2 practical

Competent 2: Design and make project. Non-exam assessment. 50%

A sustained design and make project, based on a brief developed by the candidate, assessing their ability to:

- Identify, investigate and outline design possibilities
- Design and make prototypes
- Analyse and evaluate design decisions and outcomes. Including for prototypes made by themselves and others.

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]

Students have the opportunity to visit the Summer Exhibition at the Royal academy of Arts, Design Museum, Victoria and Albert Museum and Science Museums in London during Yr 12.

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 STEAM 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 level 5 grade 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 level 5 grade 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.

Financial Studies

Examination board – London Institute of banking and Finance

The Certificate in Financial Studies (CeFS) has been designed to provide students the core disciplines of financial capability. Learners are encouraged to become responsible borrowers, sensible savers, and have an appreciation of the need for financial planning throughout their life. Its purpose is to prepare students for further study through the development of the core skills of critical analysis and evaluation, synthesis, verbal communication (through classroom discussion) and written communication.

What progression does our CeFS qualification offer?

The skills and knowledge developed in CeFS can be extended by taking two further units to form LIBF Level 3 Diploma in Financial Studies (DipFS), or by other options for Further or Higher Education study. CeFS offers maximum 70 UCAS points which can contribute to your university entry. The transferable skills developed are also valuable for further study in unrelated disciplines and the financial capability content and skills support students in making informed decisions about the value of personal, employment and study options and budgeting whilst studying.

Where does it lead?

The financially-related content of this qualification serves as a strong grounding for undergraduate study within financial and business-related disciplines, with many students going on to study accounting, business, financial and banking. The skills developed and enhanced during the course provide valuable study skills appropriate for the disciplines and others, and students have pursued a wide range of other undergraduate courses following this qualification.

Examination details

Certificate Units	Assessment	Diploma Units	Assessment
Unit 1 Financial capability for the immediate and short term	1x Multiple choice exam 45mins 1x Written exam 1hr 45	Unit 3 Sustainability of an Individual's finances	1x Multiple choice exam 1hr 1x Written exam 2hrs 45
Unit 2 Financial capability for the medium and long term	1x Multiple choice exam 45mins 1x Written exam 1hr 45	Unit 4 Sustainability of the Financial services system	1x Multiple choice exam 1hr 1x Written exam 2hrs 45

French / Spanish

currently MFL are consortium offered subjects

Examination board - AQA

A level requires the minimum of a level 6 grade in French/Spanish at GCSE

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 level 5 grade 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 in Year 12 that are 1 hour and 30 minutes each

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

The Year 13 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.

A major part of the A level course is analysing data that has been collected by the student.

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

Universities with strong geography departments include: Oxford, Durham, Loughborough, Lancaster, Coventry, Reading, Cardiff, Southampton and Exeter.

Government and Politics

currently a consortium offered subject

Examination board - AQA

A level requires the minimum of a level 6 grade in English and History at GCSE

Government and Politics course structure is as follows:

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 and Parliament

Year 13 Unit 3a

Political Parties, Voting behaviour, The Electoral Process and Direct Democracy and Pressure Groups

- Unit 4a

Constitutional Framework of Government, Judiciary: The Supreme Court, Congress and 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 A level.

History

Examination board - AQA

A level requires the minimum of a level 5 grade in English and 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 Sainsbury.

Mathematics

Examination board - Edexcel

A level Mathematics requires the minimum of a level 7 grade at GCSE

Course Aims

A Level Maths 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 Math's 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.
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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 Maths 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	Assessment
A level Mathematics	Paper 1:	2 hours
	Pure Mathematics 1	100 marks
	Paper 2:	2 hours
	Pure Mathematics 2	100 marks
	Paper 3:	2 hours
	Statistics and Mechanics	100 marks

A-Level Key Changes

- All assessments will be linear, with 100% examination.
- A level Maths 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 Maths 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 has been 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 Maths 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.

Maths 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

Media Studies

Examination board - Eduqas

A level requires the minimum of a level 5 grade 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.

Physical Education

Examination board - OCR

A level requires the minimum of a level 5 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 - OCR

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

"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

Examples of Philosophy units include -

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

Examples of Ethics units include -

- Utilitarianism
- Situation Ethics
- Sexual Ethics
- Natural Moral Law
- Virtue Ethics

Examples of Christianity units include-

- The nature of God
- Religious Pluralism
- Nature and role of Jesus

You will sit 3 exams at the end of two years of study. (Philosophy, Ethics and Religion (Christianity) papers each two hours long.)

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 – Edexcel

A level requires the minimum of a level 6 grade at GCSE Science and a level 7 grade in GCSE 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 practicals will be assessed. At the end of two years you will sit three exams totalling 6 hours. Practical skills and knowledge are assessed during the final exams.

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 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 more.

Sociology

Examination board - AQA

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

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.

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.

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 and Criminology

Theatre Studies

Examination Board – AQA

A-level requires the minimum of a level 5 grade in either Drama or English at GCSE

We want students to have an inspiring experience of A-Level Drama and Theatre.

This qualification emphasises practical creativity alongside research and theoretical understanding.

Students learn through experience, seeing theatre and making theatre for themselves. Students are introduced to a wide range of theatrical styles and contexts as they explore plays practically, devise and work on performances.

Students choose to develop as a:

- Performer
- Designer (lighting, sound, set, costume, puppets)
- Director
- Combination of these

Whichever option they choose, students will gain many invaluable skills, both theatrical and transferable, to expand their horizons.

The subject content details the knowledge, understanding and skills that students are expected to develop throughout the course of study.

The subject content for A-level Drama and Theatre is divided into three components:

- Drama and Theatre
- Creating original drama
- Making theatre

Guidance is also provided on the theatrical skills students will need to work on. In the practical components students may specialise in performing, lighting, sound, set, costumes, puppets and/or directing.

Psychology

currently a consortium offered subject

Examination board - Edexcel

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

Year 12

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.

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

Paper 1

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

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

Sports Studies

Examination board – BTEC Extended Certificate Edexcel

Introduction to BTEC Level 3 National Extended Diploma in Sport

BTEC in Sport Studies is a way to help you learn and achieve a qualification in a subject which can offer you a wide variety of topics, skills and careers.

The BTEC Level 3 Extended Certificate provides a specialist work related programme of study that covers the key knowledge and practical skills required in the appropriate vocational sector.

It is broadly equivalent to an A-level in terms of UCAS tariff points.

Core units include:

- Sport and exercise physiology
- Anatomy for sport and exercise
- Sport and exercise psychology
- Research project for sport
- Research methods for sport
- Sports biomechanics in action

Optional units include topics such as:

- Applied psychology
- Fitness testing for sport
- Sports nutrition
- Sports injuries

Over the two years, students will have the opportunity to gain personal and coaching qualifications in various sports

Work placement in the first year, based on individual career plans

Outdoor pursuit adventure days with activities such as sailing, canoeing and kayaking

Opportunity to study a Level 2 gym-based Fitness Instructing course.

How is this course assessed?

By continuous assessment. There are no exams.

What might this course lead on to?

Equivalent to one A Level, this course provides UCAS tariff points for pathways into university to study for teaching or Sports Science degrees

It is also well suited to other areas such as nursing, paramedical, occupational therapy, HM Forces or the sports and leisure industries

