SWB6TH

[OAT]
Ormiston Academies Trust
AN OAT ACADEMY

SIXTH FORM COURSE OVERVIEW

2024-2026

PATHWAYS

Students study each of their 3 subjects for 5 hours per week.
All students also have a CORE lesson each week.

Academic Pathway

These options lead to University, Level 4 study and apprenticeships.

A Level Art (Fine Art)
A Level Art (Photography)
A Level Art (Textiles)
A Level Biology
A Level Business
A Level Chemistry
A Level Computer Science
A Level English Literature
A Level Geography
A Level Law
A Level Mathematics
A Level Psychology
A Level Religious Studies - Philosophy, Religious Thought and Ethics (PRE)
A Level Sociology

Mixed Pathway

Students can choose a mix between A Levels and BTECs providing they have secured the entry requirements.

These options lead to University, Level 4 study and apprenticeships.

EPQ or CORE MATHS

Students also will study either EPQ or CORE Maths in Year 12 at 2 lessons per week unless they are studying to pass their GCSE English or Maths with 3 lessons per week.

Vocational Pathway

These options lead to University, Level 4 study and apprenticeships.

BTEC Applied Science
BTEC Engineering
BTEC Health & Social Care (Single, Double or Triple Award)
BTEC Sport (Single or Double)
Cambridge Technicals in ICT
Cambridge Technicals in Media

RESIT ENGLISH OR MATHS

Year 12 and 13 students who have not secured a 4 in GCSE English Language or Maths will be supported to secure a 4 or higher in these subjects by being given 4 opportunities to resit during their time with us at SWB6th. Funding will be used to provide small group catch up teaching of 3 hours per week to these students and associated booster materials; revision guides and mathswatch access which will fully support them.
Exam times are November and June in each year; once a student has achieved their grade 4, they stop their studies in this subject. Due to timetabling constraints, we are unable to accept students who need to resit both English Language and Maths.

AQA A LEVEL FINE ART

Entry Requirements

5 in Art GCSE if studied. Students keen to take Art, but do not have an Art GCSE will be asked to complete a task by the Director of Art and Textiles.

Course Content

The Fine Art A-level course at SWB provides pupils with the opportunity to explore, research and acquire Art techniques. At the start of the course pupils will embark on a number of workshops to develop their skills, knowledge and understanding in a range of Fine Art media. Pupils will explore relevant images, artefacts and resources relating to Fine Art, developing their understanding of materials, media, and processes to explore their strengths and preferences. Students will show evidence of trying to extend their own and others' way of seeing the world. Work produced for this qualification will demonstrate the use of formal elements and creative skills in a process of creative problem solving.

Once pupils have completed the workshop stage, they will embark on the 2 components that make up the Fine Art A-Level. ·Component 1 is worth 60% of the A-level and the submission is coursework based. Pupils will have developed their skills and ideas from the workshop stages and will be given the opportunity to follow a passion of theirs for a project starting point. Some of the areas of study may include portraiture, landscape, still life, human forms, abstraction, narrative, Installation and much more.

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Component 2 is worth 40% of the A-level and is an externally set assignment set by OCR. Pupils will be given 10 weeks to respond to a theme and generate an idea for a final outcome that will be completed in a 15-hour examination.

Trips and visits to art venues and professional workshops are built into the course. We also have close links with Wolverhampton University, which includes an annual visit to their end of year Degree Show. On completion of the Fine Art A-Level course, pupils might progress to further or higher education.

Courses might include:

- A creative arts foundation course
- A creative degree course of your choice at University.

Examples: Fine Art, Architecture, Interior Design, Graphic Design, Illustration, 2D and 3D Animation, Fashion and textiles design, Game design, Product design, Photography

- An Arts apprentice

Link to Specification

AQA A LEVEL PHOTOGRAPHY

Entry Requirements

No previous experience needed.

Course Content

The Photography A-level course at SWB provides pupils with the opportunity to explore, research and acquire photography techniques. At the start of the course pupils will embark on a number of workshops to develop their skills, knowledge and understanding in a range of photographic media. Pupils will explore relevant images, artefacts and resources relating to traditional/digital photography, developing their understanding of materials, media, and processes in order to explore their strengths and preferences. Pupils will engage with early light-based images and rudimentary technology, such as a pinhole cameras and photograms, as well as the most contemporary, including the use of digital cameras, scanners and studio lighting. Students will learn to critique photographers' work as well as develop and realise their own art.

Once pupils have completed the workshop stage, they will embark on the 2 components that make up the Photography A-Level.

·Component 1 is worth 60% of the A-level and the submission is coursework based. Pupils will have developed their skills and ideas from the workshop stages and will be given the opportunity to follow a passion of theirs for a project starting point.

Some of the areas of study may include portraiture, landscape photography, still-life photography, experimental imagery, photographic installation, moving image, animation and much more.

·Component 2 is worth 40% of the A-level and is an externally set assignment set by OCR. Pupils will be given 10 weeks to respond to a theme and generate an idea for a final outcome that will be completed in a 15-hour examination.

Trips and visits to art venues and professional workshops are built into the course. We also have close links with Wolverhampton University, which includes an annual visit to their end of year Degree Show.

On completion of the Photography A-Level course, pupils might progress to further or higher education.

Courses might include:

- A creative arts foundation course
- A creative degree course of your choice at University.

Examples: Fine Art, Architecture, Interior Design, Graphic Design, Illustration, 2D and 3D Animation, Fashion and textiles design, Game design, Product design, Photography

- An Arts/Photography apprentice

Link to Specification

AQA A LEVEL TEXTILES

Entry Requirements

5 in Textiles GCSE if studied. Students keen to take Textiles, but do not have a Textiles GCSE will be asked to complete a task by the Director of Art and Textiles.

Course Content

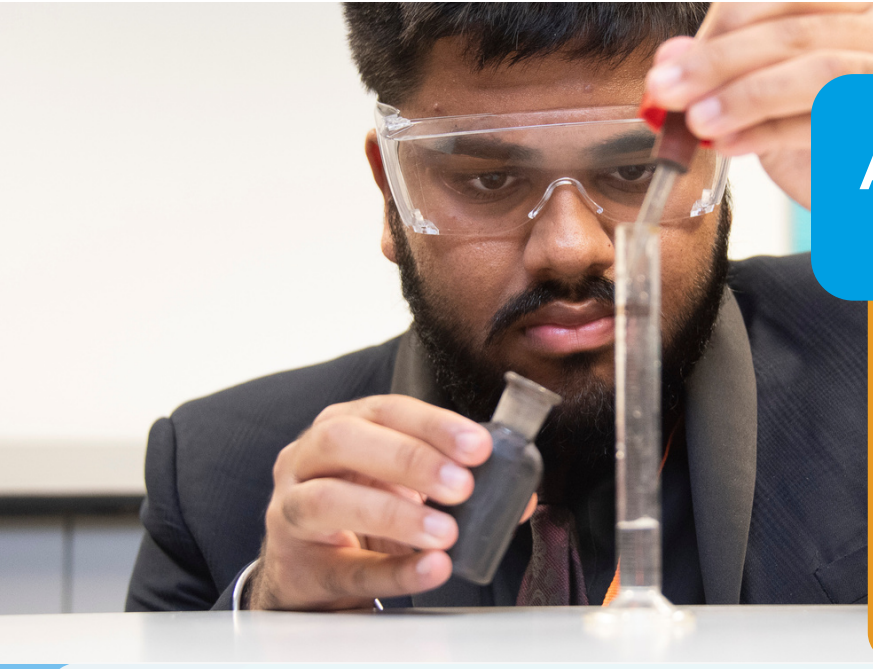
The Textiles A-level course at SWB provides pupils with the opportunity to explore, research and acquire Textiles techniques. At the start of the course pupils will embark on a number of workshops to develop their skills, knowledge and understanding in a range of Textiles media. Pupils will explore relevant images, artefacts and resources relating to Textiles Design. Pupils will use methods such as textile design, print and digital techniques to produce outcomes in visual, tactile and/or sensory forms. Students will show evidence of trying to extend their own and others' way of seeing the world. Work produced for this qualification will show the recording of stitch, textiles illustration, materials sampling and other forms.
Once pupils have completed the workshop stage, they will embark on the 2 components that make up the Textiles A-Level.

·Component 1 is worth 60% of the A-level and the submission is coursework based. Pupils will have developed their skills and ideas from the workshop stages and will be given the opportunity to follow a passion of theirs for a project starting point.
Some of the areas of study may include garment/fashion design, accessories, soft furnishings, constructed textiles, textile illustrations, expressive textiles and much more.
·Component 2 is worth 40% of the A-level and is an externally set assignment set by OCR. Pupils will be given 10 weeks to respond to a theme and generate an idea for a final outcome that will be completed in a 15-hour examination.

Trips and visits to art venues and professional workshops are built into the course. We also have close links with Wolverhampton University, which includes an annual visit to their end of year Degree Show.
On completion of the Textiles A-Level course, pupils might progress to further or higher education.
Courses might include:
- A creative arts foundation course
- A creative degree course of your choice at University.

Examples: Fine Art, Architecture, Interior Design, Graphic Design, Illustration, 2D and 3D Animation, Fashion and textiles design, Game design, Product design, Photography
- An Arts apprentice

Link to Specification



A LEVEL BIOLOGY

Entry Requirements

66 in Science. For separate sciences one must be Biology. Grade 5 in Maths and 4 in English

Course Content

Module 1: Development of practical skills in biology
- Practical skills assessed in a written examination
- Practical skills assessed in the practical endorsement

Module 2: Foundations in biology
- Cell structure
- Biological molecules
- Nucleotides and nucleic acids
- Enzymes
- Biological membranes
- Cell division, cell diversity and cellular organization

Module 3: Exchange and transport
- Exchange surfaces
- Transport in animals
- Transport in plants

Module 4: Biodiversity, evolution and disease
- Communicable diseases, disease prevention and the immune system
- Biodiversity
- Classification and evolution

Module 5: Communication, homeostasis and energy
- Communication and homeostasis
- Excretion as an example of homeostatic control
- Neuronal communication
- Hormonal communication
- Plant and animal responses
- Photosynthesis
- Respiration

Module 6: Genetics, evolution and ecosystems
- Cellular control
- Patterns of inheritance
- Manipulating genomes
- Cloning and biotechnology
- Ecosystems
- Populations and sustainability

Link to Specification

A LEVEL BUSINESS

Entry Requirements

Grade 4 in English and Maths
Level 2 pass or grade 4 if previously studied business.

Course Content

It doesn't matter if you haven't studied business before. You might have an interest in business and want to start your own business one day. You may have an enquiring mind and be interested in how businesses work and what challenges businesses face.

Business is a dynamic subject. You will learn about the diverse nature of business enterprise and the interdependence of the various parts of the business world. You will explore business success and business failure, investigate local, national and global business markets.

Theme 1 topics
1.1 Meeting Customer Needs
1.2 Market
1.3 Marketing Mix and Strategy
1.4 Managing People
1.5 Entrepreneurs and Leaders

Theme 2 topics
2.1 Raising Finance
2.2 Financial Planning
2.3 Managing Finance
2.4 Resource Management
2.5 External Influences

Theme 3 topics
3.1 Business Objectives and Strategy
3.2 Business Growth
3.3 Decision-making Techniques
3.4 Influences on Business Decisions
3.5 Assessing Competitiveness
3.6 Managing Change

Theme 4 topics
4.1 Globalisation
4.2 Global Markets and Expansion
4.3 Global Marketing
4.4 Global Industries & Multinationals

Once you have completed the course there are various options open to you, including University course such as business management, accountancy and finance, marketing, travel & tourism, IT and international business.

Careers such as: banking, sales, administration, management, operations, visual merchandising, public sector organisations or charities.

Link to Specification

A LEVEL CHEMISTRY

Entry Requirements

66 in Science. For separate sciences one must be Chemistry. Grade 5 in Maths and 4 in English.

Course Content

66 in Science. For separate sciences one must be Chemistry. Grade 5 in Maths and 4 in English.

Course Content

Module 1: Development of practical skills in chemistry
- Practical skills assessed in a written examination
- Practical skills assessed in the practical endorsement

Module 2: Foundations in chemistry
- Atoms, compounds, molecules and equations
- Amount of substance
- Acid–base and redox reactions
- Electrons, bonding and structure

Module 3: Periodic table and energy
- The periodic table and periodicity
- Group 2 and the halogens
- Qualitative analysis
- Enthalpy changes
- Reaction rates and equilibrium (qualitative)

Module 4: Core organic chemistry
- Basic concepts
- Hydrocarbons
- Alcohols and haloalkanes
- Organic synthesis
- Analytical techniques (IR and MS)

Module 5: Physical chemistry and transition elements
- Reaction rates and equilibrium (quantitative)
- pH and buffers
- Enthalpy, entropy and free energy
- Redox and electrode potentials
- Transition elements

Module 6: Organic chemistry and analysis
- Aromatic compounds
- Carbonyl compounds
- Carboxylic acids and esters
- Nitrogen compounds
- Polymers
- Organic synthesis
- Chromatography and spectroscopy (NMR)

Link to Specification

A LEVEL COMPUTER SCIENCE

Entry Requirements

A minimum of a grade 4 in Computer Science. If you have not done computer science previously then a grade 6 in Maths would be required. Previous programming knowledge is desirable but not essential.

Course Content

The computer science qualification will, above all else, be relevant to the modern and changing world of computing, and will also be relevant to the higher education community. Computer science is a practical subject where students can apply the academic principles learnt in the classroom to real-world systems. It's an intensely creative subject that combines invention and excitement, that can look at the natural world through a digital prism. The computer science qualifications will value computational thinking, helping students to develop the skills to solve problems, design systems and understand the power and limits of human and machine intelligence.

This course will be the best preparation for students who want to go on to study computer science at a higher level and will also provide a good grounding for other subject areas that require computational thinking and analytical skills.

The new qualifications are focused on programming which will build on GCSE computing and emphasise the importance of computational thinking as a discipline. There will be an expanded maths focus, much of which will be embedded within the course.

Career Progression

Software Engineer
Computer Programmer
Web Developer
Network Administrator
Database Administrator
Systems Analyst

Link to Specification

A LEVEL ENGLISH LITERATURE

Entry Requirements

Grade 6 in English Literature (Grade 6 in Language will be considered on an individual basis)

Course Content

The course is AQA Advanced GCE English Literature (Specification B) and consists of two externally assessed examinations sat at the end of Year 13 and two pieces of Non-Exam Assessment created over the two-year course.

For Paper 1, you will be focused on the 'aspects of tragedy' and how these are both portrayed and adhered to in these texts: 'King Lear' by William Shakespeare, John Keats' poetry and 'Death of a Salesman' by Arthur Miller.
The paper is set up as:
Section A: One passage-based question on King Lear.
Section B: One essay question on 'King Lear'
Section C: One essay question linking King Lear and Death of a Salesman.
This will form 40% of your A-Level.

For Paper 2, you will be focused on the elements of political and social protest writing and how these are presented within the following texts: 'The Handmaid's Tale', the poetry collection 'Songs of Innocence and Experience' by William Blake and 'The Kite Runner'.

The paper is set up as:
Section A: One compulsory question on an unseen passage.
Section B: One essay question on a set text.
Section C: One essay question connecting the two remaining set texts.
This will form 40% of your overall A-Level.

For the Non-Exam Assessment, you will study two texts, one poetry and one prose alongside a Feminist Critical Anthology. You will produce two essays of 1200-1500 words, each responding to a different text and linking to a different aspect of the Critical Anthology. One essay will be re-creative and will be accompanied by a commentary. This will form 20% of your overall A-Level.

By design, you have to be a critical thinker as an English Literature student. Therefore, this skill will enable you to be a critical thinker in further education and/or in your career. It will enable you to have the confidence in your own opinion and value what you have to say.

Link to Specification

A LEVEL GEOGRAPHY

Entry Requirements

Grade 5 in Geography and 4 in English and Maths.

Course Content

Exam/coursework weighting: Paper 1 30% Paper 2 30% Paper 3 20% Non-examined Assessment 20%

Each topic contains three or four enquiry questions that form the basis of study for that topic. We love this about geography because enquiry questions encourage active learning and an investigative, critically evaluative approach to learning; not simply revising content. Throughout each of the chosen topics of study are our three synoptic themes: players, attitude and actions, futures and uncertainties. Synoptic themes are incorporated into the content and topics of study through enquiry questions and form the key component of examination Paper 3.

Year 12:
- Topic 1: Tectonic Processes and Hazards – Paper 1
- Topic 2: Coastal Landscapes and Change – Paper 1
- Topic 3: Globalisation – Paper 2
- Topic 4: Regenerating Places – Paper 2
- Summer Term: Beginning the NEA student investigation

Year 13:
- Topic 5: The Water Cycle and Water Insecurity – Paper 1
- Topic 6: The Carbon Cycle and Energy Security – Paper 1
- Topic 7: Superpowers – Paper 2
- Topic 8: Migration, Identity and Sovereignty
- Autumn Term: Continuation and submission of NEA student investigation

Exam Overview

Paper 1: Written examination: 2 hours and 15 minutes 30% of the qualification 105 marks
Paper 2: Written examination: 2 hours and 15 minutes 30% of the qualification 105 marks
Paper 3: Written examination: 2 hours and 15 minutes 20% of the qualification 70 marks
NEA: Non-examined assessment 20% of the qualification 70 marks

Link to Specification

A LEVEL LAW OCR

Entry Requirements

Grade 5 in English

Course Content

This highly stimulating course provides you with a general overview of the English legal system.
Law is a subject which impacts on us all at some point in our lives, and is always in the news. Taking an A level in law will spark your interest in how law affects our lives and how laws are made, as well as introducing you to the main principles of the English law.

You will need to have an enquiring mind and the ability to see both sides of an argument and be able to explain your ideas verbally and equally well in writing. A keen attention to detail, and the ability to read and assimilate large amounts of information, is also essential. This course will help develop your skills in analysis, problem-solving and evaluation, and will encourage you to think logically, critically and independently.

You'll gain an understanding of the role of law in today's society and will explore the relationship between law, morals, justice and society. You will consider contemporary issues, exploring a wide range of interesting cases and Acts of Parliament to improve your knowledge, understanding and critical awareness of a whole range of issues affecting the legal system today.

You will study the English legal system, law making and areas of both private and public law in England and Wales. Through the study of criminal law, the law of tort and contract law, you will learn, develop and apply the techniques of legal method and reasoning to analyse and offer answers to legal problems, and construct and communicate legal arguments.

A Level Law are assessed by written examinations only. The A Level qualification consists of three exam papers, each 2 hours long and each worth 33% of the marks. There is a variety of exam questions including:

- Essay questions
- Legal scenario questions.

Students wishing to continue their legal studies after A Levels can opt for a university degree or work-based apprenticeship. Both of these routes can lead to the qualifications required to become a solicitor, barrister or legal executive. Other popular careers include the police, teaching, social work, business and accounting.

Link to Specification

A LEVEL MATHS (Advanced GCE in Mathematics)

Entry Requirements

Grade 6 in Mathematics

Course Content

The exam is Edexcel Level 3 Advanced GCE in Mathematics 9MA0 and consists of three externally-examined papers in May/June of Year 13.

Paper 1: Pure Mathematics 1 (*Paper code: 9MA0/01)
Paper 2: Pure Mathematics 2 (*Paper code: 9MA0/02)
Paper 3: Statistics and Mechanics (*Paper code: 9MA0/03)
Each paper is 2 hours long and is worth 1/3 of the overall grade.

Course Content Overview Papers 1 and 2

- Topic 1 – Proof
- Topic 2 – Algebra and functions
- Topic 3 – Coordinate geometry in the (x, y) plane
- Topic 4 – Sequences and series
- Topic 5 – Trigonometry
- Topic 6 – Exponentials and logarithms
- Topic 7 – Differentiation
- Topic 8 – Integration
- Topic 9 – Numerical methods
- Topic 10 – Vectors

Course Content Overview Paper 3

Section A: Statistics

- Topic 1 – Statistical sampling
- Topic 2 – Data presentation and interpretation
- Topic 3 – Probability
- Topic 4 – Statistical distributions
- Topic 5 – Statistical hypothesis testing
- Section B: Mechanics
- Topic 6 – Quantities and units in mechanics
- Topic 7 – Kinematics
- Topic 8 – Forces and Newton's laws
- Topic 9 – Moments

A calculator is essential for this qualification and we recommend the Casio CG50 graphical calculator, assistance may be available for its purchase.

We can also offer excellent support for the more able student with optional AEA (Advanced Extension Award) and STEPs (Sixth Term Exam Papers) papers.

Link to Specification

A Level Psychology OCR

Entry Requirements

Grade 5 in Science. Grade 5 in Maths.
Grade 4 in English.

Course Content

Psychology is the scientific study of human behavior and experiences, where we look to explain why people are the way they are. The course aims to extend our everyday observations of human behavior by attempting to explore the truth behind what is 'known' scientifically. Psychology also examines how to help treat individuals who suffer from various psychological disorders, and the different ways one can go about this. Most of Psychology is literature based; however, there are sizable science and mathematical elements. You do not need to have a GCSE in Psychology to study it at A-Level.

Students will be expected to demonstrate knowledge and understanding of psychological concepts, theories, research studies, research methods and ethical issues

Apply psychological knowledge and understanding in a range of contexts to analyse, interpret and evaluate psychological concepts, theories, research studies and research methods Evaluate therapies and treatments including in terms of their appropriateness and effectiveness.

Course Units:
Paper 1: Research Methods
Paper 2: Psychological themes across core studies.
Paper 3: Applied Psychology: Issues in Mental Health, Criminal Psychology and Child Psychology.

The A level course is 100% examination based through three papers.

All papers include multiple choice, short answer and extended writing questions.

This subject is very useful if you want to go on to study Psychology, Counselling, Youth Work, International Relations, Politics, Business, healthcare, childcare, teaching, the police force, prison settings, human resources, management roles, counselling, clinical, medicine and many more.

You can study either a BSc (Science) or a BA (Art) in Psychology, so individual university requirements need to be checked as they may vary.

A Psychology degree has been widely regarded as one of the most versatile degrees when trying to access the job market after university, since humanity and human elements are present in all parts of life.

Link to Specification

A Level Religious Studies: Philosophy, Religious Thought and Ethics (PRE) OCR

Entry Requirements

Grade 5 or above in PRE preferred but not essential

Course Content

The course is comprised of three equally-weighted components; Philosophy, Religious Thought (studied from a Christian perspective) and Ethics. The course is assessed 100% through examination, by undertaking a 2 hour exam per component.

Philosophy Learners will study...
- Ancient philosophical influences: Plato and Aristotle
- The nature of the soul, mind and body
- Arguments about the existence or non-existence of God
- The nature and impact of religious experience
- The challenge for religious belief of the problem of evil
- Ideas about the nature of God
- Issues in religious language.

Religious (Christian) Thought: Learners will study...
Insights: Augustine's teaching on human nature; death and the afterlife.
Foundations: knowledge of God's existence; the person of Jesus Christ
Living: moral principles and action
Development: religious pluralism
Society: gender
Challenges: secularisation; Liberation Theology and Marx.

Ethics: Learners will study...
- Normative ethical theories: Natural Law, Kantian Ethics, Utilitarianism and Situation Ethics
- The application of ethical theory to two contemporary issues of importance: Euthanasia and Business
- Ethical language and thought
- Debates surrounding the significant idea of conscience
- Sexual ethics and the influence on ethical thought of developments in religious beliefs

Having an A Level in this subject will prepare you well for any Humanities based degree course. It complements subjects such as Classic Civilizations, History, Law, Sociology and Psychology, as well as any literacy based subject such as English.

This qualification will support candidates working towards careers in teaching, education as a whole, Counselling, Health care/ Medicine, Law, Criminology, Social work, Public Services, Business and more.

Link to Specification

Promotional Video

A LEVEL SOCIOLOGY AQA

Entry Requirements

Grade 5 in English

Course Content

Students will be expected to demonstrate knowledge and understanding of Sociological concepts, theories and research methods.

Apply sociological knowledge to contemporary society in the United Kingdom and globally. In addition the ability to analyse, interpret and evaluate theories in relation the infrastructures in society

Course units:
Paper 1: Education with Theory and Methods
Paper 2: Topics in Sociology (Families and households and Media)
Paper 3: Crime deviance with Theory and Methods

The A level course is 100% examination based through three papers taken at the end of the second year of the course.

Students can progress to degree courses such as Anthropology, Criminology, Journalism, Law, Social Policy and Sociology.

They pursue careers in which an understanding of people and social groups is essential, such as the police, law, journalism, teaching, nursing, politics, social work, business, human resources, advertising and public relations.

Sociology is an exciting social science that will inspire you to think about and view the world from different perspectives.

Sociology is the study of societies and human interaction within them. Sociologists try to explain what holds society together, the causes of social problems, and the reasons behind social continuity, trends and social change.

You will study a diverse and controversial range of topics, ranging from why crime occurs, what British families are like today and why, the impact of media on your conceptions of “normality”, race, gender, class and age and the impact of education and shaping your place in society.

Sociology encourages you to question the way our society is organised and to realise that things are not always, what they seem! You will be introduced to the methods used by Sociologists and explore how people are socialised to become members of society and gain their identity. You do not need a GCSE in Sociology to study A level.

Link to Specification

BTEC Level 3 National Extended Certificate in Applied Science

Entry Requirements

Grade 44 in Science and a grade 4 in Maths

Course Content

BTEC Level 3 National Extended Certificate in Applied Science at 6th form is a great manor to develop your scientific literacy, analytical skills and investigative skills to enable you to successfully interpret the world around you.

The course is aimed for those students who are interested in learning about the sector alongside other fields of study, with a view to progressing to a wide range of higher education courses, not necessarily in applied science.

This course was developed in collaboration with employers and higher education representatives to ensure maximum relevant knowledge, understanding and skill will be attained by completion.

Unit 1: Principles and Applications of Science 1 (External Unit)
- Periodicity and properties of elements
- Production and uses of substances in relation to properties
- Structure and functions of cells and tissues
- Waves in communication

Unit 2: Practical Scientific Procedures and Techniques (Internal Unit)
- Undertake titration and colorimetry to determine the concentration of solutions
- Undertake calorimetry to study cooling curves
- Undertake chromatographic techniques to identify components in mixtures
- Review personal development of scientific skills for laboratory work

Unit 3: Science Investigation Skills (External Unit)
- Planning a scientific investigation
- Data collection, processing and analysis/interpretation
- Drawing Conclusions
- Science Investigation Skills

Unit 9: Human Regulation and Reproduction (Internal Unit)
- Understand the interrelationship and nervous control of cardiovascular and respiratory systems
- Understand the homeostatic mechanisms used by the human body
- Understand the role of hormones in the regulation and control of the reproductive system

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Link to Specification

BTEC Level 3 ENGINEERING

Entry Requirements

Grade 4 in Maths, Merit+ Engineering if studied

Course Content

The Pearson BTEC Level 3 in Engineering is intended to be an Applied General qualification for post-16 learners who want to continue their education through applied learning and who aim to progress to higher education and ultimately to employment, possibly in the engineering sector. The qualification is equivalent in size to half an A Level and aims to provide a coherent introduction to study of the engineering sector.

The content of this qualification has been developed in consultation with academics to ensure that it supports progression to higher education. In addition, employers and professional bodies have been involved and consulted in order to confirm that the content is also appropriate and consistent with current practice for learners who may choose to enter employment directly in the engineering sector. Everyone taking this qualification will study two mandatory units covering the following content areas:

- Mathematics for engineering
- Engineering principles
- Mechanical principles
- Engineering processes.

This qualification is intended to carry UCAS points and is recognised by higher education providers as contributing to meeting admission requirements for many courses if taken alongside other qualifications as part of a two-year programme of learning. This combination combines well with a large number of subjects and supports entry to higher education courses in a wide range of disciplines, depending on the subjects taken alongside it. However, for learners wishing to study an aspect of engineering in higher education, opportunities include:

- BSc Hons in Electrical Engineering, if taken alongside A Levels in Maths and a Science subject (i.e. Physics)
- BSc (Hons) in Architectural Engineering, if taken alongside a BTEC National in Construction and the Built Environment and A Levels in Maths or Art/Design
- BSc (Hons) in Computer Science, if taken alongside A Levels in Computing and Maths
- BSc (Hons) in Maths or Physics if taken alongside A Levels in maths and physics.

Learners should always check the entry requirements for degree programmes with specific higher education providers.

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Link to Specification

BTEC HEALTH STUDIES

Entry Requirements

Merit at L2 if studied.

Course Content

BTEC National Extended Diploma in Health (Triple - Equivalent to 3 A Levels)

The BTEC Level 3 in Health and Social Care is a work related qualification that combines work placements, internal and external based assessment. Learners have the opportunity to experience placements which relate to health and social care as well as completing units in human lifespan development, infection control, promoting public health, working in health and social care; plus many more.

Assessment Information

External exams (3), externally marked and set controlled assessment (1) and internal assignments (9). Unit 1, 2, 3, 4, 5, 6, 7, 8, 12, 14, 17, 18, 20

BTEC National Diploma in Health (Double - Equivalent to 2 A Levels)

A Diploma in Health and Social Care is flexible to suit all fields of health and social care. Learners can select a pathway that suits their role - for example, working with people who have a learning disability, people with dementia or children and young people. These qualifications are designed to equip learners with the skills and knowledge needed to care for others in a broad range of health or social care settings. This is the main qualification required by the Quality Care Commission in England and the Care Councils in Wales and Northern Ireland.

Assessment Information

External exams (2), externally marked and set controlled assessment (1) and internal assignments (5). Unit 1, 2, 4, 5, 7, 8, 12, 14

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Link to Specification

BTEC Level 3 National Extended Certificate in Sport (Single)

Entry Requirements

Merit at L2 if studied. Must play a sport regularly / be a member of a club.

At SWB, we understand the importance of maintaining a positive health and fitness, we also understand that many students wish to pursue this as a career option. The Sport courses at SWB6th caters for every learners and their desire to continue their sporting education into further education and employment. We also feel that the Sport should play a significant part of your education and to support this, we offer;

- A discounted membership to Bert Williams Fitness Suite (directed imetable times and out of hours)
- A discounted full PE kit for you to wear.
- To represent one of our sports teams and to also be involved in a leadership role within our sports teams in Yr7-11.
- Specific career support and Sports U niversity experience within the local, regional and National areas.
- Discounted Coaching (sports specific) and First Aid qualifications.

Course Content

BTEC Level 3 National Extended Certificate in Sport (Single)

This course is the equivalent to a single A Level and is a good course to follow if you enjoyed sport at Year 11 but wish to follow other A Levels. This course will not solely allow you to progress onto a sport course at University but can be used for a course that has sport as a second subject or module as part of the course.

Course Content

- Anatomy and Physiology
- Fitness Training and Programming for Health, Sport and Well-being
- Optional : Professional Development in the Sports Industry and Practical Sports Performance.

PDF

Link to Specification

BTEC National Level 3 Diploma in Sport (Double)

Entry Requirements

Merit at L2 if studied. Must play a sport regularly / be a member of a club.

At SWB, we understand the importance of maintaining a positive health and fitness, we also understand that many students wish to pursue this as a career option. The Sport courses at SWB6th caters for every learners and their desire to continue their sporting education into further education and employment. We also feel that the Sport should play a significant part of your education and to support this, we offer;

- A discounted membership to Bert Williams Fitness Suite (directed imetable times and out of hours)
- A discounted full PE kit for you to wear.
- To represent one of our sports teams and to also be involved in a leadership role within our sports teams in Yr7-11.
- Specific career support and Sports U niversity experience within the local, regional and National areas.
- Discounted Coaching (sports specific) and First Aid qualifications.

Course Content

BTEC National Level 3 Diploma in Sport (Double)

This course is the equivalent to 2 A Levels. This course has units dedicated that allow the learner to understand the wider concepts of sport as their primary subject in their options.

This course would allow you to progress into a sporting course such as;

Sports Development, Sports Management, Sports Massage, PE Teaching, Coaching & Development, Sport & Exercise Science, Sports Journalism, Physiotherapy, Leisure Industry Management and Personal Trainer.

PDF

Link to Specification

CAMBRIDGE TECHNICALS IN ICT

Entry Requirements

Grade 4 in Maths

Course Content

Cambridge Technicals in IT allows students to gain an insight into IT and cybersecurity. A wide range of units and pathways provide students with practical and project-based opportunities to develop knowledge and skills in areas such as infrastructure, application development and data analysis.
Learners will study four mandatory units:

Unit 1: Fundamentals of IT
A sound understanding of IT technologies and practices is essential for IT professionals. Information learnt in this unit will provide a solid foundation in the fundamentals of hardware, networks, software, the ethical use of computers and how business uses IT.

Unit 2: Global Information
The purpose of this unit is to demonstrate the uses of information in the public domain, globally, in the cloud and across the internet, by individuals and organisations. You will discover that good management of both data and information is essential, and that it can give any organisation a competitive edge.

Unit 3: Cyber Security
The need for secure digital systems is more crucial than ever before. We rely on computerised systems and networks to collect, process, store and transfer vast amounts of data and to control critical systems such as water and power supplies.

Business and ecommerce can be undertaken twenty four hours a day, seven days a week and telecommunications enable us to keep in touch with family and friends and collaborate with colleagues at any time.

Mobile devices offer us freedom and flexibility of where and how we learn and work. However, for all the advantages that these systems offer us, some people have found ways to exploit them and this poses a threat to our safety and security in the real world, as much as in the cyber world. To deal with this problem the cyber security industry is expanding at a rapid rate.

Unit 9 : Product Development
The purpose of this unit is to prepare you to undertake product development activities. You will learn about different product design methodologies and the role of the product development life cycle. In addition, you will discover the factors that influence product developments.

Unit 17 : Internet of everything
This unit is about the use of the internet and how it is impacting people and society. You will learn about the Internet of Everything (IoE) and how it is used. Using your knowledge you will carry out a feasibility study for a potential idea. You will pitch your idea to potential stakeholders and use their feedback to revise your proposal.

CAMBRIDGE TECHNICALS IN DIGITAL MEDIA (EXTENDED CERTIFICATE) OCR

Entry Requirements

Grade 4 in English

Course Content

Media Studies at Sixth form gives you the skills to analyse and interpret the messages communicated by the world's increasingly dominant media institutions.
This challenging yet fulfilling course focuses on exploring how the media works and how meaning is communicated through sounds, words and images. The course aims to help you understand, criticise and enjoy media products by combining research tasks with practical projects.

By understanding more about professional practice and how the media industry is run, you will develop a stronger appreciation of the significance of what you read, see and hear; you will also acquire a greater awareness of how the media represents our world.

We have previously enjoyed trips to Birmingham City University and Staffordshire University taking part in Media workshops where students have had the chance to work with industry professionals to record their own podcasts, filmed a TV News broadcast in a real studio and pitched ideas to a real client for a new charity advert.

This course is assessed with a mixture of exams and coursework. You will develop an understanding of what the media is trying to communicate to you, the industry and its production process through examined units. You will also have the opportunity to create your own media products including an advertising campaign, a new magazine, a drama script and a scene for a new TV show through the coursework based units.

This course is excellent preparation for study of the media at degree level and is also a pathway to a career in the ever-growing creative industries, it provides you with relevant creative skills, independent learning, and critical thinking

PDF

Link to Specification

ENRICHMENT COURSES

All students who have passed both Maths and English will choose to study one three courses in year 12 at 2 hours per week. All three opportunities give the students an option of getting further qualifications and points for their next step choices.

SPORTS LEADERS & DUKE OF EDINBURGH GOLD

Entry Requirements

None

Sports Leaders Award

All year 12 students will have the opportunity to additionally study for a Sports Leaders Qualification Level 3. This is a nationally recognised qualification that enables successful learners to independently lead purposeful and enjoyable sport/physical activity. Learners must complete a minimum of 30 hours of leadership throughout this qualification and participate/lead as part of our extra-curricular timetable and within our primary school sport links. The SLQ carries 16 UCAS points which alone will enhance any personal statement.

Promotional Video

Duke of Edinburgh Gold Award

DofE gives you the chance to discover just how much you're capable of. It's also a great way to meet new people, try new things, do what you love and make a difference in your community. Through DofE, you could try everything from surfing to salsa dancing, coding to candle making, bee keeping to ballet. It's your call.

DofE is non-competitive and for everyone – whatever your interests, background and abilities. It's about finding the confidence to be yourself, and knowing that when things get tough, you can find a way through.

To achieve your Award, you'll need to complete five sections –Volunteering, Physical, Skills, Expedition and a residential. What you do for the first three sections is up to you, and we'll give you all the support you need. The Expedition involves spending four days and three night in the countryside, and again we'll make sure you're fully prepared for it. The residential involves staying away from home it could be a summer camp, conservation project but again we'll make sure you're fully prepared.

Promotional Video

EPQ Extended Project Qualification

Entry Requirements

Grade 4+ in English and Maths

Course Content

The Extended Project Qualification is not like any of the other subjects, courses, or qualifications that you will have studied at GCSE, A Level, or at any other point in your secondary education. It's structured completely differently – it gives the opportunity to study something which is of personal interest to you (it just cannot be anything you cover in your other subjects). It's therefore important that you choose a topic that will inspire you, that will encourage you to make it the best work possible, and that will excite you to share it with an audience in your presentation.

For your project, you can choose between two options: either a 5000-word essay; or an artefact that you have made alongside a written report. The topic of each is determined entirely by you in conversations with your supervisor (teacher).

You will be conducting all that research yourself, the emphasis of the assessed elements of the project will be less on the actual material you produce and more on the process that you will have followed. You will be assessed on a range of skills, from your planning of and sticking to timetables to your research management skills, from your presentation skills to your ability to problem solve. The important thing about the essay is that it is driven by and organised around research. Whether you want to do it in English literature or media studies, it needs to be academically presented, referenced, and written – and you will need to come up with some sort of research plan from which you work. The artefact, on the other hand, can be anything that you fancy: a poem, a computer game, a song or composition, an app. This will be accompanied by a report in which you are explaining what it is you have done. Again, though, it is not so much about the artefact itself as the process by which you arrived at it.

The EPQ takes one year to complete – usually in year 12. The EPQ will help you when applying to university or further education – as the key skills that it demands of you are precisely those that higher education institutions want to see and you will be able to demonstrate that you have the ability and passion for independent study in a subject that you like.

The world of work will also be fairly enthusiastic about your Extended Project too. Presentation skills, time management, showing an initiative when it comes to personal development, all of these things matter to employers.

When was the last time you were able to study anything you wanted at school, by the way? When was the last time you could achieve academic success in a field that you actually cared about? Completing an EPQ is a real achievement that you should be proud of. The EPQ carries tariff points for most universities equivalent to half an A-Level.

Link to Specification

AQA Certificate Level 3 Mathematical Studies (Core Maths)

Entry Requirements

Grade 4 in Mathematics (Foundation or Higher)

Course Content

The AQA Level 3 Certificate in Mathematics Studies is a new post-16 qualification, designed to equip learners to develop and apply real-world maths skills, and progress to university, employment, or higher apprenticeships in a wide range of industry sectors, or professional training. It reflects the content of the new GCSE (9-1) in Mathematics, which helps to provide a smooth learning transition.

Mathematics Studies consists of two one and a half hour externally examined papers. Students sit both papers in May/June in any single year.

Paper 1: Compulsory Content (50% of the final grade) it examines the following content areas:
3.1 Analysis of data
3.2 Maths for personal finance
3.3 Estimation
Paper 2: Applications (50% of the final grade), only one of the 3 optional topic areas is examined.

Either:

Paper 2A: Statistical Techniques
3.4 Critical analysis of given data and models
3.5 The normal distribution
3.6 Probabilities and estimation
3.7 Correlation and regression

Or:

Paper 2B: Critical Path and Risk Analysis
3.4 Critical analysis of given data and models
3.8 Critical path and risk analysis
3.9 Expectation
3.10 Cost benefit analysis

Or:

Paper 2C: Graphical Techniques 3.4 Critical analysis of given data and models
3.11 Graphical methods
3.12 Rates of change
3.13 Exponential functions

Link to Specification