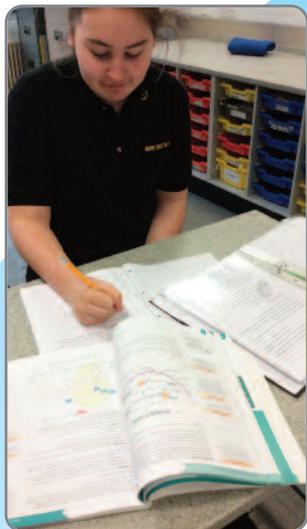
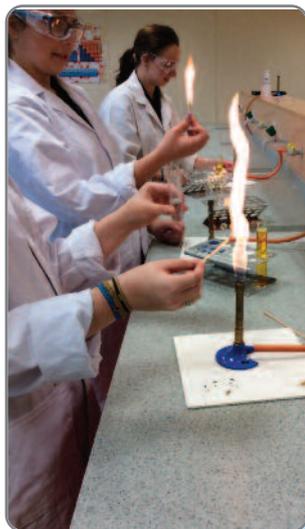


Sixth Form Options Course Design Booklet September 2018



Milford Haven School
Ysgol Gyfun Aberdaugleddau



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Subjects available at other teaching centres (Haverfordwest High & Pembrokeshire College) through the Federation have their course content available to view on their websites.



Foreword

Welcome to the Sixth Form at Milford Haven School. With over 80 students studying a wide range of courses, our Sixth Form provides progression and challenge and a genuine opportunity for involvement and contribution to the life and wider work of the School. At Milford Haven School students are given guidance and tutorial support by a specialist Sixth Form team, as well as a wide range of cultural and social opportunities. Our Sixth Form Study Centre has a full time administrative supervisor to support students in their studies. In addition the centre is fully equipped with technology to support independent learning. We also have a Common Room which provides students with a facility to relax from their studies.

Students are given roles to develop leadership skills and fulfil their potential in a variety of voluntary activities. The Welsh Bacalaureate brings together all of these aspects and provides a valued qualification which has been instrumental in enabling many students to progress to further and higher education on completing their Sixth Form courses. Large numbers of our students progress each year to Higher Education aided by a curriculum which offers A level courses. We believe that students should develop their individual personalities while at the same time acknowledge responsibility for work ethic, appearance and general attitude. The Sixth Form has a smart uniform which was chosen by former students of the School and remains popular amongst those currently here and is worn with pride.

Students have an important role in decision making in the School through their involvement and leadership of the School Council and by standing for role of a Senior Prefect. The sixth form play a vital part in the school as role models for the younger pupils to aspire to.

Partnership is key to our success in the sixth form. We aim to foster close working relationships with staff, students, parents/carers and the local community to ensure students are provided with appropriate support, challenge, stimulation and guidance. Our aim is to equip them with the knowledge, skills and experiences they will need in the future whatever their chosen career path may be. We look forward to working together for a successful future.

Beverley Davies, Acting Headteacher



Welcome to Sixth Form

At Milford Haven School, we realise the importance of independence in students but we also realise that they require a good deal of support and guidance to reach this goal. For this reason we will carefully monitor your progress, and offer support when needed. We want you to develop and meet your full potential during your time with us. We want you to feel valued, cared for and fully involved in the educational journey you are about to embark upon. Our mentoring system fully supports your learning within your option choices and the Welsh Baccalaureate. We will give you individual targets that are realistic and achievable. We will track and support your progress towards those targets. Our Sixth Form Study Centre was recently refurbished and provides a comfortable base for your study when not in lessons. The Study Centre offers chrome books and laptops to assist you in private study outside of the classroom. The study area is supervised by our Sixth Form Administration Assistant who can help support your studies. We genuinely believe that parents and carers have a vital role in the Sixth Form. Communication between home and school is regular and informative. Parents and carers are encouraged to contact us with any issues they need clarification upon and we welcome such communication. Experience tells us that success in the Sixth Form is best achieved via a three-way partnership between students, parents/carers and school. Whilst Year 12 studies might be a transition for some students, for example into the world of work or training, for most it is preparation for Year 13. This year is dominated by the application process for further and higher education. Students are fully involved and supported in this sometimes complex process. To ensure that parents feel part of this process we have a Parents' Evening dedicated to the UCAS application process in September.

Although we are an academic Sixth Form striving for excellence, we realise that there is far more to being in the Sixth Form than just studying. Organised by our Senior Prefect Team, students are encouraged to take part in a wide range of events including Children in Need, the Big Dip, Stars in their Eyes and the Sixth Form Ball, to name but a few.

Finally, we realise that this is a very important time in your lives – a time when you will need support. We pride ourselves on being able to offer that support.

Kath Dootson
Head of Sixth Form



Sixth Form Study Centre

The school has a Sixth Form Study Area, which allows Year 12 and 13 students to work in a quiet, supervised and well-resourced centre. This replicates the type of working environment they can expect to find at University.

The Study Centre was developed in partnership with the Port of Milford Haven and the School is grateful for their participation and financial support.

The Centre is equipped with Chrome Books and Laptops which students can use to complete their course work and carry out research. The Study Centre has wireless technology, printing and scanning facilities.

Sixth Form students also have access to the Conference Room, adjacent to the Study Centre. Here students have access to an interactive white board which allows students to undertake group work, prepare and practise presentations

The Study Centre is supervised by the Sixth Form Pastoral Support Officer - Mrs Stewart, who will endeavour to support you with your studies as you transition into Sixth Form.



Learning Pathways

All Sixth Form students at Milford Haven School will follow Advanced Level courses and the Welsh Baccalaureate.

The majority of students in Year 12 will study three AS options and the WB. A small number of students may take four Option choices and the WB. This is subject to an interview with the Head of Sixth Form. In Year 13 students will complete A Levels by choosing A2 courses.

Milford Haven School will be part of the Pembrokeshire Federation of schools in the academic year 2018/2019. Students will be able to choose courses offered at Milford Haven School, in the new Haverfordwest School and in Pembrokeshire College.

Entry Requirements:

1. Minimum of 5 GCSEs or equivalent at Grades A* to C [1 non GCSE equivalent, including the Skills Certificate of the Welsh Bacc will be allowed]
2. Students who have not achieved a grade C in GCSE English Language and/or GCSE Mathematics will be required to follow resit courses in these subjects
3. A minimum of a "B" Grade at GCSE or a Merit at BTEC in a subject or a related subject is required to study it at Advanced Level. However, an offer may be made to a student who has gained a Grade C in certain circumstances [see point 7 below]
4. Students applying for Biology, Business Studies, Chemistry, Computer Science, Economics, Physics and Psychology will be expected to have achieved at least a grade B in Mathematics/ Numeracy
5. Students applying for Further Mathematics will be expected to have achieved Grade A in GCSE Mathematics and have opted for A Level Mathematics
6. Entry to the Sixth Form is dependent on a good behaviour and attendance record in Years 7-11.
7. Every application to the Sixth Form will be considered on its own individual merits.
8. Students may have an interview with the Head of Sixth Form prior to a provisional offer being made.

Curriculum for 2018

a) AS and A Levels

- An AS level is worth 40% of an A Level
- An AS level is graded A - E (F = Fail)
- At the end of Year 13 students sit A2
- To get a full 'A' level qualification students have to complete AS and A2
- 'A' levels will be graded A - E (F = Fail).
- One resit per AS or A2 module is permitted

b) Welsh Baccalaureate

The WB at Advanced level consists of three challenges - Community, Global Citizenship and Enterprise and an Individual Project. The challenges and the Individual Project develop the skills of Literacy, Numeracy, Digital Literacy, Critical thinking, Planning and Organisation, Creativity and Innovation and Personal effectiveness. These skills are needed for future employment and are required by universities and other Higher Education providers.

The new WB is graded and requires all students to have at least a GCSE Grade C in English and Mathematics.



Making Your Choices

You must choose the Learning Pathway you wish to follow, bearing in mind the GCSE grades you expect to get. You know your Global Grade and your target grade for each of your subjects. In your Year 11 report you will find out the grade you are currently working at and the grade your teacher believes that you are on track to achieve at the end of the course.

Please read your report comments and grades carefully and work out what you need to do to gain the grades you want in the summer exams and make a plan to get what you need.

You need to consider the following before making your choices: -

- Where can I best follow the combination of subjects I want?
- Do I need a lot of support and encouragement, or do I prefer to be more independent?
- What career path or progression route will I follow after Sixth Form?
- What subjects are universities and employers looking for?

This decision is a personal one, and you should not be influenced by what your friends are doing. You need to do some research to get the best outcome.

To find out about the courses available in school:

- Read this booklet very carefully at www.milfordhavenschool.co.uk
- **Information regarding courses at Pembrokeshire College and Haverfordwest High School can be found on their websites.**
- **Visit the Careers Wales web site www.careerswales.com**
- Ask your subject teachers about anything related to AS and A Level study or beyond
- Come to the **MHS Information Evening on Thursday February 1st** with your parents and visit the subject presentations in which you are interested. The MHS Information Evening is a great opportunity to find out what you need to know. You should not be committing yourself to actual choices at this stage.
- Visit the Pembrokeshire College and Haverfordwest School Information Evenings if you are interested in subjects offered there



Milford Haven School may offer you, along with your parents, an interview to help you with your decision and the school based Careers Advisor will be available to help as well.

If it is agreed that an Advanced Level Pathway is the most suitable one for you, the school will give you a provisional offer of a place in the Sixth Form for 2018 in writing. This will be conditional on you obtaining the required grades in the summer examinations and you continuing to meet the agreed criteria for attendance and behaviour until the end of Year 11. You need to inform us at this stage if you wish to accept the offer.

When the results are known in August, if the requirements of the offer have been met and you have achieved the required grades, the school will send a second letter confirming that you have been accepted.

NB: Year 12 courses will only run if there is a sufficient number opting for the subject. If there is not a sufficient number, courses may run at a different centre. This process is known as “commissioning” and will take place in March or April 2018.

If numbers of students who wish to continue any course from Y12 into Year 13 should be low, the Pembrokeshire Federation may put on Y13 provision in a different centre. A course may not run or may only run at AS level and not continue to A2 if there are late changes to staffing.

Useful Websites:

Milford Haven School
Careers Wales
WJEC
Qualifications Wales
University Admissions
Pembrokeshire College
Tasker Milward School
Sir Thomas Picton School

www.milfordhavenschool.co.uk
www.careerswales.co
www.wjec.co.uk
<http://qualificationswales.org/?lang=en>
www.ucas.com
www.pembrokeshire.ac.uk
www.taskermilward.org.uk
www.stp.pembrokeshire.sch.uk



Advanced Welsh Baccalaureate

WJEC Advanced Welsh Baccalaureate (A level equivalent)

Entry Requirements

The Supporting Qualifications include two mandatory GCSEs of English Language together with Mathematics or Numeracy at grades A*- C.

The Advanced Welsh Baccalaureate is compulsory for all post 16 students in Pembrokeshire. In Milford Haven School it is studied alongside A Levels or equivalent Level 3 courses.

The Advanced Welsh Baccalaureate is based on a **Skills Challenge Certificate** alongside **Supporting Qualifications**. Completion of both of these is required to achieve the overarching Welsh Baccalaureate, graded from A*- E.

The Skills Challenge Certificate consists of four components which are followed by all pupils, these are a combination of individual and group tasks in order to develop both teamwork and independent thinking.

The four components allow learners to develop and apply all the essential and employability skills with the assessment of each component focusing on specific skills.

What will I study on the course?

- Individual Project: An extended essay concentrating on research in an area of personal choice.
- Enterprise and Employability Challenge: An opportunity to set up a prototype business and research your career path.
- Global Citizenship Challenge: Acquiring knowledge about a range of global topics in order to present at a classroom conference. You will study topics such as human rights, economy in the developing world, equality, environmental effects and global education
- Community Challenge: An opportunity to develop your skills while making a contribution to the school or town community.

How will I be assessed?

These skills will be internally assessed and externally moderated.

What can I do next with this qualification?

Many universities accept the Welsh Baccalaureate and it attracts UCAS points. Universities are particularly keen to read about your research in your personal statement.

It is valued by employers also as it is evidence that students have developed a range of skills which are essential in the modern workplace.



Biology

WJEC AS Biology progressing to A2 level

Entry Requirements

**5 Grades A* - C including English and Maths.
A Science GCSE - (preferably BB), together with
good communication and mathematical skills.**



Why should I study this programme?

The A level in Biology includes the internal workings of organisms in physiology and the interdependence of living things in ecology all the way up to social issues including human influence on the environment and the ethical considerations of genetics.

The study of biology encourages an appreciation of these issues and their implications as well as providing an insight into the living world.

Practical work is an intrinsic part of biology, and is greatly valued by higher education.

The A level in Biology encourages learners to develop their interest in and enthusiasm for biology, including developing an interest in further study and careers associated with the subject.

What will I study on the course?

Each unit contributes 50% to the AS qualification.

AS Unit 1 - Basic Biochemistry and Cell Organisation:

The biochemistry of life and its application within the unit of life, the cell.

AS Unit 2 - Biodiversity and Physiology of Body Systems:

The classification of organism. Students will gain detailed knowledge of several biological systems, e.g. the circulatory system.

The AS contributes 40% to the A2 qualification with a further 25% from each taught unit and 10% from the practical examinations.

A2 Unit 3: Energy, Homeostasis and the Environment covers the transmission of messages around the human body by the nerve impulses and hormones (chemical messengers).

The life processes of excretion, respiration and photosynthesis are also covered.

A2 Unit 4: Variation, Inheritance and Options is diverse, ranging from sexual reproduction in plants and animals to Neural biology and behaviour.

A2 Unit 5: Practical examination

This examination will test the students practical skills developed over the two year period.

How will I be assessed?

AS Unit 1 and 2 are assessed by a written examination at the end of year 12.

A2 Unit 3 and 4 are assessed by a written examination at the end of year 13.

A2 Unit 5 is a practical examination followed by a written task, externally assessed in year 13.

What can I do next with this qualification?

Medicine, Biology, Environmental Science, Forensics, Dentistry, Zoology, Education and Pharmacy. It is also useful for those students planning to work in all other aspects of healthcare and the wider sciences.



Chemistry

WJEC AS Chemistry progressing to A2 level

Entry Requirements

5 Grades A*- C including English and Maths.

Why should I study this programme?

Everything is made of chemicals including us! Studying Chemistry helps us to understand and use this world of chemicals. The content at A level is clear and in a logical order to develop knowledge and understanding of the subject. You should be prepared to apply knowledge, understanding and skills in a range of theoretical, practical, industrial and environmental contexts. We have strong links with Valero, visiting the refinery to experience industrial lab work. Practical skills developed during the course are a fundamental aspect of the course, preparing you for the written examinations.



What will I study on the course?

This specification is divided into a total of 5 units, 2 AS units and 3 A2 units.

AS Chemistry

Unit 1 - The language of chemistry, structure of matter and simple reactions

Unit 2 - Energy, rate and chemistry of carbon compounds

A2 Chemistry

Unit 3 - Physical and inorganic chemistry

Unit 4 - Organic chemistry and analysis

Unit 5 - Practical examination consisting of a practical task followed by a written task

How will I be assessed?

Units 1-2 are assessed with a written examination at the end of Year 12 **(40% of the qualification)**.

Units 3-4 are assessed in a written examination at the end of Year 13 **(50% of the qualification)**.

Unit 5 is a practical examination consisting of a practical task followed by a written task in the Spring term of Year 13 **(10% of the qualification)**.

What can I do next with this qualification?

With a qualification in Chemistry you could go on to Further or Higher Education, studying Chemistry or Chemical Engineering and it is also very valuable for those who have an interest in working in a science-based industry such as material science, biotechnology, or the petro-chemical industry. It is essential for the medical field, pharmaceutical industry and environmental science. Chemistry is also a well-respected subject in its own right and suitable for entry into a wide range of professions.



Design Technology

WJEC AS Design Technology progressing to A2 level

Entry Requirements

5 Grades A* - C including English and Maths.

Why should I study this programme?

The course is essentially about **Designing & Making** by identifying and solving real problems. Students work in a wide range of materials relating to their personal interests and future careers. It is suitable for both boys and girls.

What will I study on the course?

The AS course consists of:

Learners take an examination in one of the following endorsed areas: engineering design, fashion and textiles or product design 20% of qualification (80 marks). Learners will also complete a design and make task Non-exam assessment: approximately 40 hours; 20% of qualification (80 marks). A design and make task, assessing the candidate's ability to: identify, investigate and outline design possibilities design and make prototypes analyse and evaluate design decisions and wider issues in design and technology. This task will be based within the same endorsed area as the written examination.

For A2 learners take a single examination in one of the following endorsed areas: Engineering Design Fashion and Textiles Product Design 30% of qualification (100 marks). The examination includes a mix of structured and extended writing questions assessing learners' knowledge and understanding of: technical principles designing and making principles along with their ability to: analyse and evaluate design decisions and wider issues in design and technology.

They also complete a sustained design and make project, 30% of qualification (100 marks), based on a brief developed by the candidate, the design and make project will be based within the same endorsed area as the written examination.

How will I be assessed?

There will be a written examination and a practical Design and Make project at each level.

What can I do next with this qualification?

Architecture, Design Engineer, Teaching, Pattern/model maker, Interior Design, Furniture Design, Industrial Design, CAD Technician/Draughtsman, Architectural Technician, Structural Engineer, Mechanical Engineer.

Trades where an element of problem solving and communication are useful. CAD skills are very transferable and make students highly employable.



English Literature

WJEC AS English literature progressing to A2 level

Entry Requirements

5 Grades A*- C including English and Maths.

Why should I study this programme?

The course will enable you to:

The course will enable you to:

- Develop your interest and enjoyment in literature by reading widely
- Gain an understanding of the traditions of English Literature
- Gain an understanding of literature from outside the UK
- Communicate your response to a wide variety of texts and respond to texts of different type and from different periods
- Make your own informed judgements on literary texts
- Gain an understanding of cultural, historical and other influences on texts
- Gain experience of the skills of Communication, ICT, and Working with Others.

What will I study on the course?

The AS course consists of:

- 1. Unit 1:** **Section A** - 'Jane Eyre' - C. Bronte - Extract and essay response.
Section B - 'Top Girls' – Caryl Churchill - Essay response.
- 2. Unit 2:** **Section A** - Seamus Heaney + Owen Sheers - Poetry analysis.
Section B - Poetry comparison.

The A2 course consists of:

- 1. Unit 3:** **Section A** - Essay on a Pre 1900 poetry collection.
Section B - Comparison of two unseen poems
- 2. Unit 4:** **Section A** - Essay in response to an extract from a Shakespeare play.
Section B - Essay in response to a Shakespeare play.
- 3. Unit 5:** **Prose study** - An extended essay based on two novels.



How will I be assessed?

There will be two written examinations at each level and one practical examination at A2 level.

What can I do next with this qualification?

Students studying AS/A2 Level English Literature have a wide range of career opportunities open to them, eg: in Law, Media, Journalism, Publishing, Teaching, etc.



Geography

WJEC Geography progressing to A2 level

Entry Requirements

5 Grades A* - C including English and Maths.

Why should I study this programme?

Geography is a dynamic subject that helps you to understand an ever changing and interconnected world. It is always topical and relevant and teaches you to appreciate the relationships between people and their environment at local, regional and global levels. You will develop a range of skills that will be useful long after you have left school. These include working with others, investigating issues, solving problems, using ICT and collecting and measuring data. Field trips are a key part of the course and add a practical dimension to both units. Fieldwork introduces new skills such as surveying techniques, statistics and the use of satellite imagery and other Internet resources.



What will I study on the course?

The AS course consists of two units:

AS Unit 1 looks at changing landscapes, for example people and their relationship with the physical world including coasts and tectonic hazards.

AS Unit 2 deals with Changing places and how they are dynamic.

The A2 course consists of two units:

Unit 3 examines Global systems and Global governance.

Unit 4 examines Contemporary themes in Geography which could include Energy challenges and dilemmas, Ecosystems, World development and Weather and Climate.

How will I be assessed?

There will be two written examinations at each level.

What can I do next with this qualification?

Geography is a subject highly valued by educational establishments and employers as it encourages independent learning, skill acquisition and an interest in every aspect of the world around us. Possible careers include; Cartographer, Commercial/residential surveyor, Environmental consultant, Geographical Information Systems Officer, Planning and Development Surveyor, Secondary School Teacher or a Town Planner.

Health & Social Care (Single Award)

WJEC GCE Health and Social Care AS progressing to A2 level

Entry Requirements

5 grades A* - C including Maths and English. This subject is available to anyone, not just those who have the GCSE.

The aims of this programme

The AS and A level specification in Health and Social Care should encourage candidates to:

- Develop and sustain an interest in health, early years care and education, social care and issues affecting the care sector
- Acquire knowledge and understanding of health, early years care and education and issues affecting the health and social care sector
- Develop skills that will enable them to make an effective contribution to the care sector including skills of research, evaluation and problem solving in a work related context
- Apply knowledge, understanding and skills
- Prepare for further study and training

How is the course assessed?

Unit 1: Promoting Quality Care and Communication

A written examination contributing 40% towards the final grade

Unit 2: Promoting Good Health

An internally assessed piece of coursework contributing 60% towards the final grade

What can I do with this qualification?

This specification provides a suitable foundation for the study of Health and Social Care or a related area through a range of higher education courses (e.g. Health and Social Care, Community Health Studies, Nursing (registered), progression to the next level of vocational qualifications (e.g. NVQ Levels 3 and 4 in management); or direct entry into employment. In addition, the specification provides a coherent, satisfying and worthwhile course of study for candidates who do not progress to further study in this subject. These qualifications are not designed for candidates' direct entry into employment in this sector



History

WJEC AS History progressing to A2 level

Entry Requirements

5 Grades A*- C including English and Maths. GCSE History is not essential as long as an A*-B in English is obtained.

Why should I study this programme?

“If we do not remember the past we are condemned to repeat it”.

This message on a Dachau concentration camp wall, reminds us of the links between the past and the images we see on television every day, but also gives you the chance to develop key skills and build the confidence you need to express your ideas to the best of your ability. History gives you the chance to find the links between the past and your own time – to understand the world that you are going to shape in your future.

What will I study on the course?

At AS we will study 2 units. Unit 1 looks at aspects of the History of **Wales and England 1880-1980** considering the diverse nature of society such as the impact of war, the changing role of women, party politics and the lives of the working classes.

We will also study of a range of historical topics and problems relating to **Weimar and Nazi Germany** in Unit 2, looking specifically at the problems of the new Weimar Republic and link this to how and why Adolf Hitler came to power in 1933. This side involves source analysis and evaluation.

The new A-Level Course consists of work on Unit 3, **Tudor Wales and England where we examine ‘Poverty, Protest and Rebellion, 1485-1603’** and Unit 4 which is **Nazi Germany**. At A2 we will also conduct our Unit 5 **NEA (non- examined assessment)** where pupils carry out independent research to assess the validity of an interpretation.

How will I be assessed?

There will be two written examinations at the end of AS. Unit 1 involves open ended questions and Unit 2 consists of source analysis and evaluation.

At A2 there are another 2 written examinations. Unit 3 involves extended writing and Unit 4, extended writing and source analysis and evaluation. There is also an independent study unit.

What can I do next with this qualification?

History provides a flexible qualification, favoured by employers and universities. It allows for analytical and critical skills to be developed as a result of source analysis. It also allows for students to master their written and verbal communication and provides an opportunity for opinions and points of view to be developed and articulated. Organisational skills are developed and Students get a taste for independent research that will be required in life beyond Sixth Form.

ICT

OCR Level 3 Cambridge Technical Certificate in IT
progressing to Introductory Diploma

Entry Requirements

5 Grades A*- C including English and Maths. It is strongly recommended that students have gained at least a B GCSE grade in ICT and at least a C grade in English Language at GCSE. It is also recommended that the Unit 1 exam component of the GCSE ICT (R001) is at least a B grade.

Why should I study this programme?

ICT looks at all the uses of digital technology that already exist to help individuals, businesses and organisations use information. For example, personal computers, digital television, email, robots etc.

This level 3 course gives you a thorough introduction to many aspects of ICT and 100% coursework. Students learn about the social, legal and ethical issues that surround the use of ICT as well as acquiring skills in using a variety of software packages through coursework.

What will I study on the course?

Certificate (Equivalent to AS):

- Unit 1** - Communication and employability skills for IT;
- Unit 2** - Information systems;
- Unit 17** - Interactive media authoring.

Introductory Diploma (Equivalent to A2):

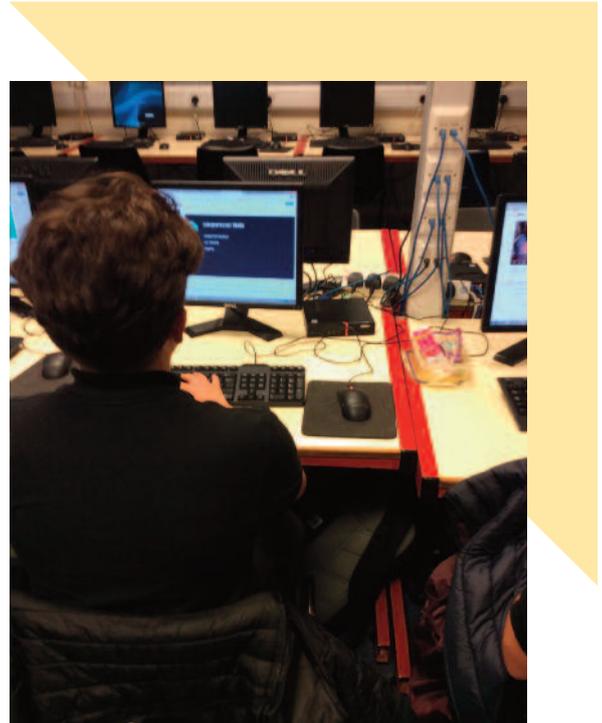
- Unit 16** - 2D animation production;
- Unit 27** - Digital graphics;
- Unit 31** - Digital graphics for interactive media.

How will I be assessed?

100% coursework, internally assessed/externally moderated.

What can I do next with this qualification?

Graphic Designer / Video Editor / Web Designer / Database Administrator / Information Systems Manager / IT Consultant / IT Technical Support Officer / Systems Developer



Mathematics

WJEC AS Physical Education progressing to A2 level

Entry Requirements

5 Grades A*- C including English and Maths.

Why should I study this programme?

If you enjoy Mathematics and feel confident with the work you have met so far at GCSE, then you should seriously consider AS or A2 level Mathematics. It is a demanding and challenging subject but it can be an extremely rewarding one if you are prepared to put in time and effort.

You can study Maths at AS level for a single year or at A2 level over two years.

The syllabus followed is WJEC. Detailed information can be found on the WJEC website - www.wjec.co.uk

What will I study on the course?

AS:

AS Unit 1: Pure Mathematics A

AS Unit 2: Applied Mathematics A (The paper will comprise two sections: Section A: Statistics and Section B: Mechanics)

A2:

A2 Unit 3: Pure Mathematics B

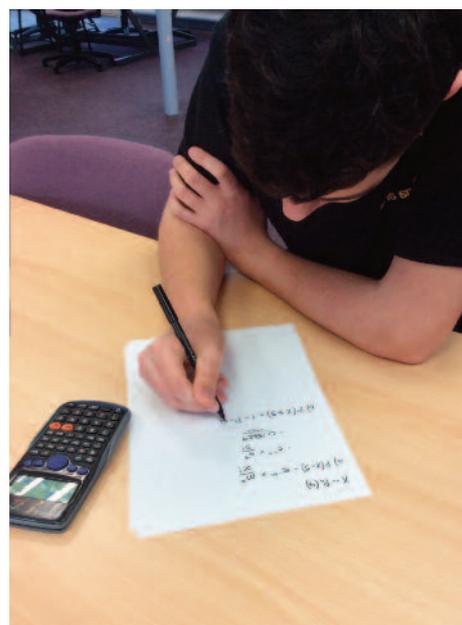
A2 Unit 4: Applied Mathematics B (The paper will comprise two sections: Section A: Statistics and Section B: Differential Equations and Mechanics)

How will I be assessed?

Each module is assessed by a written examination.

What can I do next with this qualification?

Maths has wide applications in industry, business, finance, science, technology and many other areas. Maths qualifications can help you towards a future career in these areas and it is also a useful support for many university courses, which increasingly can involve statistics and other applied modules. There is currently a national shortage of qualified mathematicians - an 'A' Level in Mathematics gives you flexibility in what you do in the future.



Physical Education

WJEC AS Physical Education progressing to A2 level

Entry Requirements

5 Grades A* - C including English and Maths.

Why should I study this programme?

This course is for students with a genuine interest in sport.

Whilst the subject is based around a practical area, the course is **essentially** a theoretical course.

What will I study on the course?

The AS course consists of 2 Units:

AS Unit 1 - Exploring Physical Education:

To assess all AS subject content

Question types:

(Contextualised questions to include multiple choice, data response, short and extended answers)

AS Unit 2 - Improving Personal Performance in Physical Education:

To assess:

- Practical performance in one activity as a player/performer
- Practical performance as a coach
- Personal Performance Profile

The A2 course consists of 2 Units:

A2 Unit 3 - Evaluating Physical Education:

(A range of questions to include data response, short and extended answers)

A2 Unit 4 - Refining Personal Performance in Physical Education:

To assess:

- Practical performance in one activity as a player/performer, coach or official
- Investigative Research

How will I be assessed?

There will be one practical examination and one written examination at each level.

What can I do next with this qualification?

Coaching, teaching Physical Education, Sports Medicine and Leisure Centre Management.



Physics

WJEC AS Physics progressing to A2 level

Entry Requirements

5 Grades A*- C including English and Maths.
Grade B in GCSE Science

Why should I study this programme?

If you have enjoyed Physics at KS4 and are curious about matter and the Universe around you, then this course may be for you. The Physics course teaches students about fundamental physical concepts and about physics in everyday life and technological settings. Students will develop competence and confidence in a variety of practical, mathematical and problem solving skills. Students will be introduced to a wide range of physics principles which will allow them to enjoy a positive learning experience whilst gaining an understanding of how nature operates at both microscopic and macroscopic scales.

What will I study on the course?

The AS course consists of two units, each contribute 50% to the AS grade:

Unit 1: Motion, Energy and Charge - This is the study of Mechanical systems. In addition there is an introduction to particle physics.

Unit 2: Electricity and Light - Some of the topics covered include, resistance, DC circuits, the nature of waves, wave properties, photons and lasers.

The A2 course consists of a further two units & a practical examination. AS result contributes 50% to the A2 grade with the two unit exams contributing 20% each and the practical exams contributing 10%

Unit 3: Oscillations & Nuclei - Circular motion, vibrations, kinetic theory, thermal physics, nuclear decay and nuclear energy.

Unit 4: Fields and Options - Capacitance, electrostatic and gravitational fields of force, orbits and the wider Universe, magnetic fields and electromagnetic induction. There is also an additional module chosen from: Alternating currents, Medical physics, the physics of Sports, Energy and the Environment.

Unit 5: Practical examination - The Examination Board expect that all students will have completed around 30 experiments (over 2 years) prior to the examination and any aspect of these might be examined.

How will I be assessed?

There will be two written examinations at each level and two practical examinations at A2 level.

What can I do next with this qualification?

Physics graduates are in high demand in all areas of employment because of the analytical skills they develop throughout the course. Most further education engineering courses require Physics A level.



Religious Studies

WJEC AS Religious Studies progressing to A2 level

Entry Requirements

5 Grades A*- C including English and Maths.

Why should I study this programme?

The course may be followed by any candidate irrespective of personal belief, gender, religious or cultural background. This is an interesting and challenging course of study in which students will consider the moral values and attitudes of individuals, faith, Buddhism and philosophy and ethics. They will develop the ability to make responsible judgements on significant philosophical and ethical situations.

Many professions such as the Law, Journalism, Banking, Medicine and the Armed Forces require consideration of ethical issues, and students studying these subjects are given the analytical skills which will be of benefit in their later careers.

The AS course consists of:

An Introduction to Philosophy & Ethics
Buddhism

The A2 course consists of:

There will be two written examinations at each level

How will I be assessed?

There will be two written examinations at each level

What can I do next with this qualification?

Students studying AS and A2 level Religious Studies have a wide range of career opportunities open to them eg: in Law, Media, Journalism, Teaching, Social Work, etc.



Sociology

WJEC AS Sociology progressing to A2 level

Entry Requirements

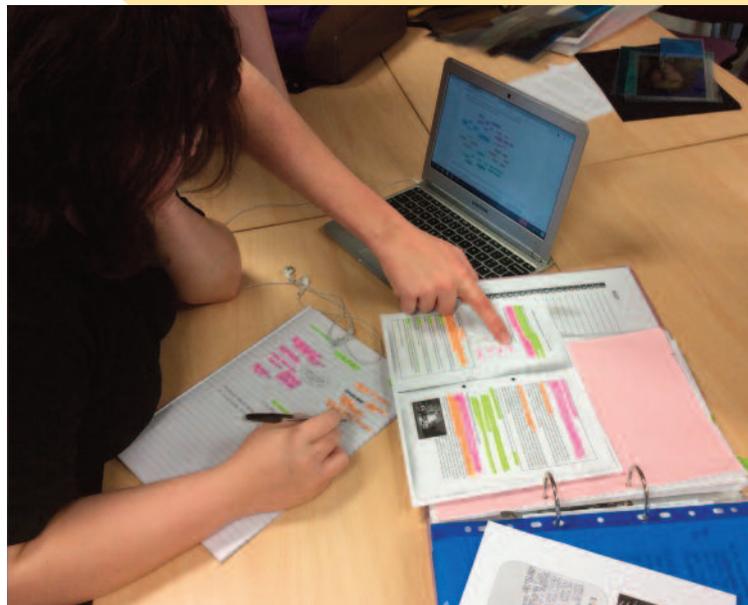
5 Grades A*- C including English and Maths.
Grade B in GCSE English is preferable

Why should I study this programme?

Have you ever wondered why you think and act the way you do?

Have you ever wondered why people around you behave and think differently to you?

If so, you will enjoy Sociology.



Sociologists study human behaviour and how it is affected by the world in which we are brought up and by the patterns of social behaviour to which we are exposed. It helps us to understand not only modern British society, but also how that differs from other societies world-wide.

What will I study on the course?

The AS course consists of:

1. An Introductory Core that focuses processes of cultural transmission, socialisation and the acquisition of identity.
2. A study of The Family.
3. A study of Research Methods.
4. The role and function of Education.

The A2 course consists of:

1. A study of the Crime and Deviance.
2. Research Design.
3. Social Inequality.

How will I be assessed?

There will be two written examinations at each level.

What can I do next with this qualification?

Lecturing, Social Worker, Probation Officer, Care Assistant, Human Resources Manager

Welsh

WJEC AS Welsh progressing to A2 level

Entry Requirements

5 Grades A*- C including English and Maths. Grade C or above in Welsh (2nd language) GCSE at Full Course or a Grade B on the Short Course.

Why should I study this programme?

The course develops oral proficiency, creating confidence and fluency. Comprehension of the language is broadened by studying several types of written forms, varying from newspaper and magazine articles to popular light literature and set literary texts. Welsh media is studied, including television, film and radio.

Students attend seminars at universities, participate in courses provided by the Urdd and Nant Gwrtheyrn Language Centre, experience live theatre productions, help on the Year 7 Llangrannog trip and attend social events. Guest speakers are invited to school whenever possible.

The A2 level course broadens the students' horizons further, making them aware of the possibilities of the language and to appreciate the culture of which the language is an integral part.

What will I study on the course?

The AS course consists of three compulsory units:

1. Oracy and Film - including an in-depth study of the film 'Patagonia'
2. A written coursework project
3. Use of Language and Poetry - (five poems to study)

The A2 course consists of three compulsory units:

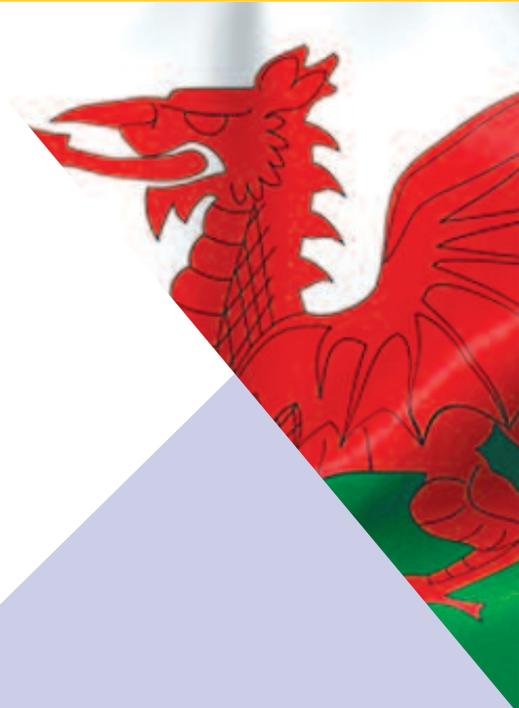
1. Oracy and Drama - including an in-depth study of the drama 'Crash'
2. Welsh in the Community and Translation
3. Use of Language and the Short Story - (four short stories to study)

How will I be assessed?

There will be one oral examination and two written examinations at each level.

What can I do next with this qualification?

Welsh Language skills are sought after in very many jobs in Wales. Welsh students can also go into Teaching and Lecturing.





Milford Haven School

Steynton Road
Milford Haven
SA73 1AE

Tel: **01646 690021**

Fax: 01646 696600

Email: admin@milfordhavenschool.co.uk

www.milfordhavenschool.co.uk