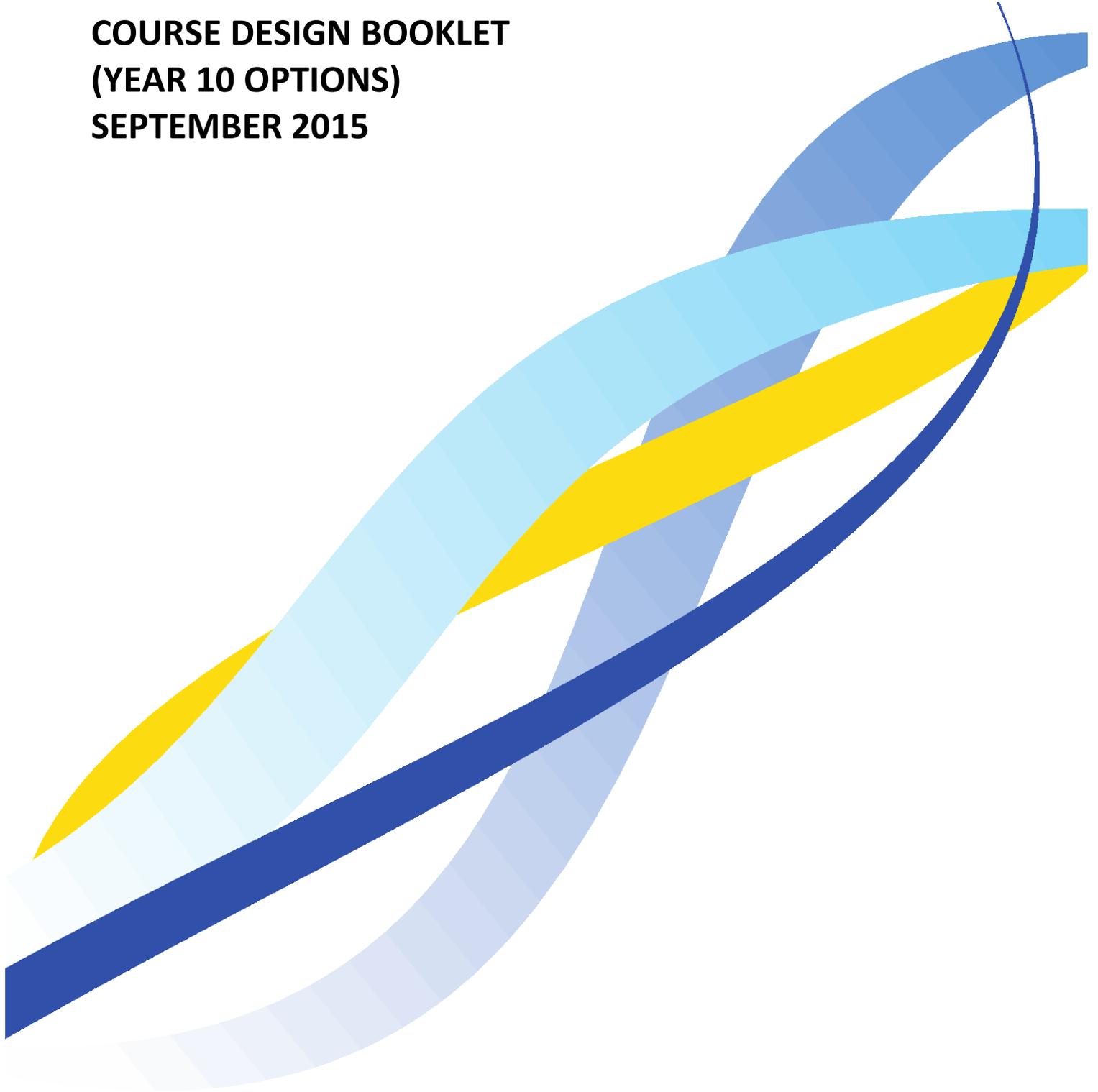


**COURSE DESIGN BOOKLET
(YEAR 10 OPTIONS)
SEPTEMBER 2015**



Milford Haven School
Ysgol Gyfun Aberdaugleddau



Learning Pathways

This Course Design Booklet aims to help you to choose your individual learning pathway. It is the vision of the Welsh Government that all 14-19 year-old students will be able to set up a personally tailored pathway.

- Your choices need to match your interests and abilities.
- You need to learn the right things at the right times, leading to the right qualifications
- Your learning needs to lead to your chosen career, or – if you aren't sure what you want to do – to leave open the right doors in the future.

The courses we provide at school offer a great deal of variety and choice. We have vocational courses to meet the demand for this style of learning. We offer BTECs in Science, Engineering, Business Studies and Sport. We continue to offer Cambridge Nationals [a vocational ICT course].

For most students your Form Tutor and Progress Manager will be the first people to turn to for advice and guidance. They act as your learning coaches: they know your attitudes and abilities well, and they can talk about the courses that best suit your interests. Your tutor will check that the courses you have chosen will give you a broad and balanced education.

You will have the opportunity to attend taster lessons in new subjects offered in Key Stage 4.

The Information Evening will take place on Thursday 22nd January in the Steynton Hall between 5.30PM and 7.30PM. It will give you a chance to talk in more detail to Senior Staff about the subjects we offer. This year you will be also able to talk to subject teachers about courses you are interested in.

You will be invited to a personal Options Interview with senior staff who will add their expertise and experience to the learning coach process.

Careers advice and guidance is available through Careers Wales. They can give clear and impartial advice about the qualifications you'll need for particular types of career.

I hope that you find this booklet useful in helping you to understand the courses on offer.

This is the first real choice you have had in your time in school. Think it through carefully, and use your choices wisely!

Examinations

GCSE – *General Certificate of Secondary Education*

These courses cater for most pupils and involve examinations and controlled assessments or practical assignments. The examinations are designed to test a wide variety of skills and abilities. There is also testing on the recall of facts. Some assessments take place in the school under controlled conditions during the course [CATs] so students must work conscientiously right through the whole course.

Grades Available A*, A, B, C, D, E, F, G, U, X

A* is the grade awarded for outstanding achievement. X is the grade awarded when a compulsory element of the course is missed (written paper, coursework, module test).

BTEC

BTECs are work-related qualifications suitable for a wide range of students. They are built to accommodate the needs of employers and allow students to progress to post 16 qualifications and on to university. They provide a practical, real-world approach to learning without sacrificing any of the essential subject theory. They can be taken alongside G.C.S.E.'s.

B.T.E.C.'s are mainly assessed through assignments done in class. New BTECs now include an exam.

Students can either gain the equivalent of one or two GCSEs depending on the course chosen.

Grades Available Pass, Merit or Distinction

TO THE STUDENT

You are about to make very important choices about the subjects you wish to study next year.

BEFORE you choose.

- CONSIDER the subjects you enjoy and are good at.
- FIND OUT about the NEW courses on offer.
- If you have a particular career in mind, check if any particular subjects are required. Go on the www.careerswales.com and do some research
- DISCUSS your choices with as many adults as you can. They can advise and support you:- your Parents, Subject Teachers, Form Tutor, Progress Manager and Careers staff are all willing and able to help.

I hope you find this booklet will help you to make decisions which are right
FOR YOU!!



Remember, each course lasts for two years, and to be successful, you will need to work hard!

Year Nine Option Choices

Most people don't know at the age of 14 what they want to do as a career. However, it is important to start thinking about what you enjoy, what you are good at, and why.

Before making your choices you will have had Careers Education as part of your PD course designed to help you to decide what is best for you.

The government recognises that career decisions must not be made too early, and has therefore made some subjects compulsory because:

- a) they provide you with the skills you will need in all walks of life.
- b) they enable you to keep all your options open for the future.

Some of these **compulsory** subjects lead to a full GCSE qualification e.g.: -

English	seven hours per fortnight [Language and Literature or Language only equivalent to one or two subjects]
Mathematics	eight hours per fortnight from September 2015 [2 GCSEs]
Science Double Award or BTEC Science	nine hours per fortnight [equivalent to two subjects]

Others are there to ensure a balanced and rounded education for the future citizens of our country:-

e.g. Religious Studies	three hours per fortnight – leads to a GCSE
Welsh	three hours per fortnight – leads to a Short Course GCSE
Welsh Baccalaureate	three hours per fortnight
PE (Games)	two hours per fortnight

It is important to realise that PE and Welsh can also be taken as full GCSE courses. In addition to government requirements the school has also made its own decisions on what we think is important to study in order to keep all avenues open until a later date. This is why we have arranged our Option Choices in such a way as to make sure that everyone can take a Humanity (History, Geography or Religious Studies) and a Technology Subject (Design & Technology (D&T), Product Design, BTEC Engineering and D&T Food).

Ideally we would like everyone to consider taking a language (French or Welsh), and a creative or vocational subject (Art, Music, PE, BTEC Business Studies, Health and Social Care or Child Development, BTEC Sport and the vocational ICT Cambridge Nationals).

We recognise the need for some pupils to start to specialise, and in order to enable pupils to study two languages, or two humanities, or two creative subjects etc. we have included a wider range of subjects in the Option Boxes.

Vital Points to Remember when making your choices:-

- i) Not all subjects need to be studied at GCSE in order to study them at Advanced Level or BTEC. Subjects which fall into this category are:

History	Business Studies
Health & Social Care	Geography
Information Technology	Design & Technology – Food
Religious Studies	Design & Technology

also

PE
Music providing you have some proven aptitude
Art and have continued your interest in other ways.
Welsh

- ii) The most important subjects for most careers are English, Maths and Science. Maths is essential for careers in Business or Computing, Science is essential for careers in Health, Environment and Medicine etc. English is essential for careers in Journalism, Law, Media, Communications and Drama.

It is not necessary to take GCSEs or BTECs in Information Technology, Health & Social Care, and Geography in order to pursue careers in those subjects, but at 'A' Level they become advisable. That is why we allow pupils to pick up these subjects at 'AS' Level without having first studied them at GCSE.

- iii) You must remember that if you choose two subjects of a similar kind then you will deprive yourself of another area of experience. At this stage **breadth** and **balance** are the most important. Do not limit yourself in this respect unless you are very sure already of your strengths and likely career path.

- v) French is a progressive subjects like Maths, and would be very difficult to pick up at 'A' Level without having taken it at GCSE, unless you are a gifted linguist or are able to keep the language alive in some other way. Welsh on the other hand is possible at 'A' Level if success has been achieved in the short compulsory course, although a full GCSE is preferable.

BTEC courses are more closely related to the practical aspects of the subject that you would come across in the world of work.

All pupils will do the new Welsh Baccalaureate Diploma.

Please note that subjects which are under-subscribed may not run

Finally we are going to use the online Options package on the Careers Wales website this year to make student choices. More information will be made available at the Information Evening.

Course Descriptions:

Subjects are listed in alphabetical order and are grouped in the following categories:

Welsh Baccaulaureate

Optional Courses

Compulsory Core Subjects

Compulsory Subjects

SUBJECT:	Welsh Baccalaureate	
EXAM BOARD:	Intermediate and Foundation Levels	
	WJEC	

Course Description

The Welsh Baccalaureate Qualification (WBQ) Intermediate and Foundation Diploma programme is studied over a two year period by Key Stage 4 students. The WBQ provides students with a wide range of experiences that will equip them for life in the modern world. The WBQ comprises of Option programmes and Core studies. To gain the Diploma, students must complete both parts of the programme

Core Studies:

There are 4 parts to the Core programme. These are called Challenges:

1. **Enterprise and Employability Challenge**- Work Related Education and Enterprise Project
2. **Global Citizenship**- Issues involving Wales, Europe and the rest of the World and Personal and Social Education –family, health, citizenship, sustainable development and relationships
3. **Community Participation**- planning and participating in voluntary work
4. **Individual Project** – a piece of research in an area of interest to the student

Key and Essential Skills are embedded within the Assessment of these Challenges

The WBQ is awarded at level 1 called the **Foundation WBQ** and level 2 called the **National Foundation WBQ**

To gain the WBQ at National Foundation Level, students must pass the 4 challenges above to C grade and achieve GCSE grade C in Math, Maths Numeracy, English (or Welsh 1st Language) as well as 3 other GCSE's at grade C, or equivalent.

Evidence for the Core Studies will be in the form of a Controlled Assessment Task called a Challenge

For the Foundation Level, the requirements are similar except that the Challenges and GCSE's will be D to G grade or level 1.

Delivery:

The 4 Challenges will be taught in dedicated Welsh Baccalaureate Lessons throughout year 10 and 11. There will be a Personal Development programme devised by the school to deliver many of the other aspects. Some parts of the WBQ will use pupil's activities outside of school e.g. involvement in clubs to help them gain accreditation, as well as outside speakers and Team Enterprise.

Learning Coach

Each student will have a WBQ tutor who will act as a Learning Coach throughout the two years of the course. This tutor will review progress and offer advice at least once per half term.

OPTIONAL COURSES

SUBJECT:	ART AND DESIGN	GCSE
EXAM BOARD:	WJEC	

Course Description:

This practical course offers maximum opportunities for a stimulating experience of creativity and art, craft and design making activities, which includes studying the work of Artists and Designers. As well as class focused activities you will be expected to develop ideas independently in your own time and visit Galleries. It is naturally assumed that by opting for GCSE Art and Design you will have already reached a satisfactory standard in Art, or proven your commitment to succeed.

Particular features of study throughout the course:

- Art and Design
- Fine Art
- Textile/Pattern Design
- Graphic Communication/Illustration
- Three Dimensional Design

The course is separated into two main elements:

- Controlled Assessment 1 (**Portfolio** 60%)
- Controlled Assessment 2 (**Exam** 40%)

Portfolio

This part of the course runs throughout the whole of Year 10 and the first term of Year 11. The work is internally set and developed from personal starting points. A coherent body of work must be produced, which must be presented by the candidate for moderation.

Exam

The exam starts at the beginning of the second term in Year 11. It is externally set by the examination board. The exam paper will include images, themes, and tasks. Candidates must choose one assignment and give a clear account of their intentions. There will be a period of preparation, minimum of six weeks, and a 10 hour exam, under controlled conditions. All work must be presented by the candidate for moderation.

<u>ASSESSMENT</u>	Written Exam Paper	Coursework	Practical Exam	% Weighting of each element
Practical unit		√		60%
External Exam			√	40%

SUBJECT:	BTEC LEVEL 2 FIRST BUSINESS	2 GCSEs
EXAM BOARD:	EDEXCEL	

Course Description

A BTEC first in Business will enable learners to develop knowledge and understanding of businesses through the investigation of a range of organisations and their activity. The course is designed to give learners an early taste of a vocational area by focusing on e-commerce and the roles of people within an organisation. Regular feedback on progress is a key feature of this course.

The course is divided into three units:

Unit 1: Exploring business purposes (core unit)

Unit 2: Business Organisations

Options will be chosen from:

Unit 12: Business online

Unit 3: Financial forecasting for business

Unit 16: Business enterprise

Unit 20: Managing Personal Finance

Assessment

Each Unit is worth 5 to 10 credits, 15 credits is equivalent to one G.C.S.E., 30 credits are required for the double GCSE award. All units are assessed by a portfolio of work that is internally assessed and externally verified.

The Future

A BTEC First in Business offers learners the opportunity to acquire technical and employability skills, knowledge and understanding. Learners can gain a nationally recognised vocational qualification to enter employment or progress to other vocational qualifications such as 'A' level or the BTEC National Award in Business.

SUBJECT:	CHILD DEVELOPMENT	GCSE
EXAM BOARD:	WJEC	

<p>Course Description</p> <p>The syllabus is designed to enable candidates to acquire appropriate skills, knowledge and understanding of the development and care of children from conception to the age of five years and will enable candidates to develop their design and technological capability.</p> <p>The subject content promotes an understanding of the social, emotional, physical and intellectual development of the child which is interlinked through the study of the family, community and the responsibilities of parenthood.</p> <p>It provides a suitable basis for further study at 16+ offering progression onto academic and vocational courses including BTEC Health and Social Care.</p> <p>The <u>syllabus content</u> is divided into six compulsory core units.</p> <p>Unit 1 - Family and Child Unit 2 - Food for Health Unit 3- Pregnancy Unit 4 - Physical Development Unit 5 - Intellectual Development Unit 6 – Social and emotional Development</p>	
<p>Family and Child</p> <p>Types of Family Functions and responsibilities of parenthood Roles and Relationships Disability Support for the family and child</p>	<p>Food for Health</p> <p>Principles of a Healthy Diet Dietary aims and goals Special dietary needs Food safety</p>
<p>Pregnancy</p> <p>Preparation for pregnancy Foetal development Ante-Natal Care Birth of the Baby Post-natal Care</p>	<p>Physical Development</p> <p>Stages of Physical Development Factors affecting Physical Development</p>
<p>Intellectual Development</p> <p>Stages of Intellectual development Learning Aids Learning through play Factors affecting learning</p>	<p>Social and Emotional Development</p> <p>Stages of Social Development Factors affecting Social Development Stages of Emotional Development Factors affecting Social Development</p>
<p>Assessment</p> <p>(i) theory paper (40%). This is a 1½ hour paper. All questions will be compulsory.</p> <p>(ii) Controlled Assessment – Child Study (30%). One task to be completed out of three set by the WJEC, to include investigation and production focusing on a child’s development. 15 hours to be completed in Yr 10. The pupil must have access to a child aged 0-5 to base this study on. 3-5 visits will take place.</p> <p>(iii) Controlled Assessment - Child Focused Task (30%). One task to be completed out of two set by the WJEC to include researching planning, making and evaluating. 15 hours to be completed in Yr 11.</p>	

ASSESSMENT	Written Exam Paper	Controlled Assessment	Practical Exam	% Weighting of each element
	1 Paper			40%
			Child Focused Task	30%
		Child Study		30%

SUBJECT:	Computing	GCSE
EXAM BOARD:	OCR	

Course Description

This course relies heavily on programming. Programming draws upon different skills such as high level language skills, complex mathematical skills similar to algebra and logical thinking skills.

This exciting GCSE gives you an excellent opportunity to investigate how computers work and how they're used, and to develop computer programming and problem-solving skills. You'll also do some fascinating in-depth research and practical work. For example, some of the current investigations look at JavaScript, encryption and assembly language programming.

This three unit course is designed to give you an in-depth understanding of how computer technology works and a look at what goes on "behind the scenes". Assessment is based on a written exam, a practical investigation and programming tasks.

The course will help you learn about critical thinking, analysis and problem solving, which can be transferred to other subjects and even applied in day-to-day life.

- The computer systems and programming unit will teach you the theory about a wide range of issues such as hardware and software, the representation of data in computer systems, databases, computer communications and networking, programming and more.
- The practical investigation is all about engaging with computing in the real world. You'll look at a computing topic in more depth and carry out a practical investigation into a computing issue.
- The programming project will call on you to design, code and test a solution to three tasks using a suitable programming language.

ASSESSMENT	Written Exam Paper	Controlled Assessment	% Weighting of each element
Computer systems and programming	1 ½ hours		40 %
Practical investigation			30 %
Programming project			30 %

SUBJECT:	DESIGN TECHNOLOGY	GCSE
EXAM BOARD:	WJEC	

Course Description

A GCSE course in Design and Technology offers an opportunity for candidates to identify and solve real problems by designing and making products or systems in a wide range of contexts relating to their personal interests. GCSE Product Design enables students to understand how products are designed, why certain materials and manufacturing techniques are used also how designers use research and plan strategies to bring their products to market.

Food Technology

For pupils who wish to have the opportunity of developing their design and make skills within food products. They will work with a range of ingredients and equipment and it is an ideal choice for pupils who wish to pursue a career in food/catering industry or go on into Advanced level D&T Food in the 6th form and then into Higher Education.

Product Design GCSE

Product Design GCSE combines the best of both Graphic Products and Resistant Materials. There is strong emphasis on design skills using traditional and modern methods and in making models and products. This year's CAT briefs include Low Voltage lighting and the packaging and promotion for a new perfume range.

As a fundamental part of their course, candidates should design and make products.

Design and Technology develops candidates' cross-curricular skills, all six of the key skills, and their capacity for imaginative, innovative thinking, creativity and independence.

All focus areas will contribute towards the development of Basic Key Skills in Communication, Application of number, I.C.T, Working with others, Improving Own Performance and Problem Solving.

- **Unit 1 Exam Paper** 2hrs Section A 20% (4 compulsory questions), Section B 20% (4 compulsory questions, common to all focus areas Food/Graphics/Resistant & Textiles).
- **Unit 2 Controlled Task** (Coursework) – Section A Designing (10 hours 60 marks 20%); Section B Planning, Making & Evaluating (20 hours 120 marks 40%).
- The coursework weighting is Making – 50% and Designing – 50%.
- All students will have to undertake a study of two Designers.

ASSESSMENT	Written Exam Paper	Coursework	Practical Exam	% Weighting of each element
Unit 1 WRITTEN PAPER	√	X	X	40%
Unit 2 Controlled TASK	X	√	√	60%

SUBJECT:	ENGINEERING	VOCATIONAL
EXAM BOARD:	EDEXCEL	LEVEL 2

<p>Course Description</p> <p>Introduction</p> <p>The <i>BTEC First Certificate in Engineering</i> is aimed at students who enjoy both practical and theoretical work related to the world of engineering it is equivalent to one GCSE A-C. The course has practical and written elements and students are expected to write a series of assignments displaying their knowledge and understanding. Students can achieve success in BTEC Engineering at 3 levels, Pass (GCSE C equivalent). Merit (GCSE B equivalent) and Distinction (GCSE A equivalent). There is an <i>Extended Certificate in Engineering</i> that is equivalent to 2 GCSEs, this requires passes in 4 units at Level 2. This year there will be an externally assessed element in the form of an examination entitled 'The Engineered World' –students will need to demonstrate their understanding of materials, manufacturing techniques, modern and emerging technologies and environmental issues.</p> <p>It is expected that candidates should have sufficient levels of numeracy and literacy to be able to complete a level two course of study. Students will need equipment such as PPE (steel toe capped boots).</p> <p>Certificate Structure</p> <p>The coursework is teacher-assessed with 4 Units to be completed in the 2 years. (90 Guided Learning Hours). Students also sit an externally assessed exam worth 25% of the qualification.</p> <p>Unit 1: The Engineered World</p> <ol style="list-style-type: none"> 1. Understand statutory regulations and organizational safety requirements covering: Materials and equipment handling, Hazards and risks, Emergency procedures. 2. Be able to work efficiently and effectively in engineering covering: engineering work activities, working relationships etc. <p>Unit 2: Investigating an Engineered product</p> <ol style="list-style-type: none"> 1. Analyse the function of, and fabrication methods used to make an engineered product. 2. Apply their understanding in a substantial written document. <p>Unit 7: Selecting and Using Secondary Machining Techniques to Remove Material. Upon completion of this unit a learner should:</p> <ol style="list-style-type: none"> 1 Know how a range of secondary machining techniques are used. 2 Understand how work-holding devices and tools are used. 3 Be able to use a secondary machining technique safely and accurately to make a work piece. 4 Understand aspects of health and safety relative to this technique. <p>Unit 17: Welding. Upon completion of this unit a learner should:</p> <ol style="list-style-type: none"> 1. Be able to prepare for work in a welding environment 2. Be able to safely produce welded joints to quality standards 3. Be able to safely perform non-destructive and destructive tests on welded joints

ASSESSMENT	Online test	Coursework	Practical Exam	% Weighting of each element
Unit 1: EXAM	√	X	X	5 credits
Unit 2: MARKED ASSIGNMENT	X	√	X	5 credits
Unit 7: MARKED ASSIGNMENT.	X	√	X	10 Credits
Unit 17 MARKED ASSIGNMENT.	X	√	X	10 Credits

SUBJECT:	FRENCH	GCSE
EXAM BOARD:	WJEC	

Course Description

Pupils opting for a Modern Language follow a two-year course and will sit the GCSE examination at the end of Year 11. The GCSE course will train pupils to use the Modern Language effectively for the purposes of practical communication and the topic areas covered are relevant to pupils' experiences and interests.

Assessment

Each of the four language skills – listening, reading, speaking and writing – is assessed, listening and reading are assessed at either Higher or Foundation level. Each candidate will be entered for either the Higher tier or the Foundation tier depending on his or her ability in that skill. The final decision will involve the pupil/parents/teachers. There will be two speaking examinations, a conversation and a presentation, which will be conducted with the teacher and a selection will be externally moderated. The writing component will be under direct supervision within one session but will be externally marked.

Why a GCSE in a Modern Language?

A level of competence in any Modern Language is of great value in the modern job market and is useful in the European setting. Increasing links and job opportunities in Europe can open up career prospects for those with a qualification in French. 48% of all firms are recruiting staff for their foreign language skills.

Many more pupils wishing to go on to further and higher education are now opting for a combination of sciences and a language or a more vocational course such as Business Studies, Engineering, Law or Economics with a Modern Language. This could mean an eventual career choice in the Hotel and Catering Industry, Teaching, Accountancy, the Tourist Trade, Customs and Excise, the Civil Service, Banking, to name but a few.

On a more practical level, knowledge of French could increase one's enjoyment of a European holiday and help to develop a deeper understanding of the culture and history of the countries where the language is spoken.

<u>ASSESSMENT</u>	Written Exam Paper	Coursework	Practical Exam	% Weighting of each element
Listening	*			20%
Speaking		Controlled assessment		30%
Reading	*			20%
Writing		Controlled assessment		30%

SUBJECT:	GEOGRAPHY	GCSE
EXAM BOARD:	Edexcel	

Course Description

This is the right subject for you:

Are you interested in the world around you and how it works? Do you want to be able to make informed decisions about where to work, where to live and where to go on holiday? Are you concerned about the environment? Do you want to develop skills you will find useful long after you have left school? There has never been a better time to study Geography. Geography is a good choice in helping you get a job. It leads to a qualification which links to many other subjects and is highly valued by employers.

You will study:

- Challenges for the planet e.g. Climate change and Sustainable development.
- Geographical Skills e.g. including using ICT, Geographic Information Systems.
- The Natural Environment e.g. including Coasts, Rivers, Earthquakes and volcanoes and Wasteful world.
- The Human Environment e.g. including Population, Settlements, Industry and Tourism.

You will learn:

- How to learn through investigating and doing, not just listening and reading.
- How to work as a team player
- How to develop an understanding and expertise in using a wide range of Geographic skills.
- How to use ICT (Information and Communication Technology), maps and Geographic information systems (GIS).
- How to collect and interpret information gained through fieldwork.
- How to make decisions, solve problems and become a well-rounded and flexible thinker.
- How to develop an awareness and understanding of the world and the importance of safeguarding the environment.
- How to develop a range of transferable skills such as decision-making, research, use of primary and secondary data, analysis and evaluation and report writing.
- How to gather information from a wide range of sources, such as the Internet and others.
- About links across the curriculum, for example, with economic understanding, environmental education and citizenship.
- How to tackle environmental issues and be active in the environment.

There is a choice between two levels of entry: Foundation and Higher.

During the course, you will complete one piece of assignment work, which will be completed mainly in school. This will involve collecting information through fieldwork, analysing it and using ICT at appropriate points.

ASSESSMENT	Written Exam Paper	Controlled assignment	Practical Exam	% Weighting of each element
Unit 1 Geographical skills & Challenges.	One-hour paper.	—	—	25%
Unit 2 The natural Environment	One-hour 15 minute paper.	—	—	25%
Unit 3 The Human Environment	One-hour 15 minute paper.	—	—	25%
Controlled assignment	—	One Piece, Choice of Topics. Mainly completed in school	—	25%

SUBJECT:	HEALTH & SOCIAL CARE	GCSE
EXAM BOARD:	WJEC	

Course Description

Why study Health and Social Care?

This is a subject that helps you achieve many of the skills you will need throughout your life. It will help you to understand yourself and how to interact with others. The course is valued highly by both employers and colleges, not just if you want to pursue a career in the Health and Social Care sector. Careers in this sector vary widely and include Probation Officer, Paramedic, Physiotherapist, Dietician, Police Officer, Speech and Language Therapist, Nurse, Social Worker, Youth Worker, Teacher, Manager etc

There are two options available – SINGLE and DOUBLE Award (one or two GCSEs)

Select from either one block or two blocks.

You will learn about:

- Communication skills and how to adapt in different situations.
- Balanced diets and healthy lifestyles
- Risks in people’s lifestyles and how to overcome them
- Growth and development of individuals from birth to old age
- The events that make us who we are
- Relationships and the roles we play
- The services available in the health and social care sector and how they help people
- A description of the sorts of jobs available in the health and social care sector.

How will I be assessed?

This GCSE offers a different approach to the teaching and assessing of a student’s efforts. 40% of the course is examined and 60% is coursework. This obviously means that there is less emphasis on learning work and more on how to apply your knowledge to situations. The evidence of the student’s knowledge and understanding will be shown in a number of different ways. The work can be written, posters, leaflets, charts, diagrams, a poem, interviews, questionnaires, work experience, reports on visits and speakers. The list can go as far as the imagination will take you as long as the task is answered. Along the way IT, Numeracy and Basic English skills will be developed. Students work to deadlines and learn to manage their time.

Everything you do is awarded points. The points are added up at the end of the course to give you a grade.

The course is 40% examination and 60% controlled assessment (coursework).

ASSESSMENT	Written Exam Paper	Coursework	Practical Exam	% Weighting of each element	
				Single	Double
UNIT 1		/		60%	30%
UNIT 2	/			40%	20%
UNIT 3	/				20%
UNIT 4		/			30%

SUBJECT:	HISTORY	GCSE
EXAM BOARD:	WJEC	

Course Description

This GCSE course looks at interesting and important features of the Twentieth Century. It is suitable for those pupils who have a genuine interest in History and will cater for a wide range of abilities. There will be opportunities to take part in discussions, develop thinking skills make displays, use ICT and develop strong examination skills in an exciting and supportive setting. GCSE Historians are hardworking and need to study independently as well as in class.

You will learn research and study skills. You will learn to question and to use information effectively. This will help you become true historians while researching thought provoking topic units such as:

1. Germany in transition 1919 - 1947; which includes details of Hitler's rise to power, the reasons for his popularity and a study of the changes in the lives of ordinary Germans. It also takes your studies to post war Germany with Nuremberg laws and the Berlin Wall.
2. Britain during the depression, war and recovery which looks at the way modern Britain was shaped by the hardships of the depression, war on the home front and the creation of modern society and the welfare state.
3. The United States of America 1929 – 2000; looking at Pearl Harbour, D day and the Battles of the Pacific, the USA's fear of communism and the Cuban missile crisis, Civil Rights, including the study of Martin Luther King, Malcolm X and the Black Panthers. Pupils will also study the role of the media, youth culture and the importance of stars such as Oprah Winfrey and Muhammad Ali.

Assessment

All three topics are examined in one-hour papers and make up 75% of the total. One exam will be taken at the end of year 10 to relieve the pressure in year 11.

A controlled assessment on Jack the Ripper. This will be worth 25% of the total mark

ASSESSMENT	Written Exam Paper	Coursework	Practical Exam	% Weighting of each element
3 units	1 in depth paper covering both America and Germany, 1 outline paper			worth a total of 75%
Controlled Assessment		2 pieces		25%

SUBJECT:	ICT Cambridge National Certificate (Level 2)	1 GCSE (equivalent)
EXAM BOARD:	OCR	

Course Description

The Cambridge National Certificate in ICT (Level 2) consists of four units of work and is equivalent to a GCSE qualification. The qualification is awarded at Pass, Merit, Distinction and Distinction* levels. These are equivalent to GCSE passes from C through to A*.

The four units of work we will cover will equip students with a solid foundation for understanding and applying this subject in their future working lives. The four modules are:

Understanding computer systems

The unit will include systems used at home, school and in a business setting. Students will also consider the implications of working with data to create content within a commercial environment. The content includes: an understanding of how ICT can be used to meet business needs; how to work with information and data to meet specific business needs; how ICT can be used to support business working practices; an understanding of the legal, ethical, safety and security issues that affect how computers should be used.

Using ICT to create business solutions

Students will use a wide range of applications that are commonly used in the workplace and in further and higher education. They will develop an understanding of how to select the most appropriate software and to use tools to meet specific business requirements while developing skills to enhance documents of a variety of file types. They will also learn techniques to search for, select and store information in a variety of contexts and how to select the tools and techniques to communicate information and solve problems. The content will give students the skills to: use techniques to search for, store and share information; select and use software to handle data; select and use software to communicate information for a business purpose; use software tools to format documents.

Creating an interactive product using multimedia components*

Students will be able to develop and demonstrate their creative flair by combining multimedia components to create a vibrant, energetic or stimulating webpage or interactive product. The content will provide students with the skills to: design interactive products; create interactive products containing multimedia components; complete usability testing.

Creating digital images*

The graphic design industry is big business. We live, learn, work and play in a very visual world. Digital images influence our actions and thoughts; with or without words, successful digital images convey their message effectively so that the viewer receives and understands it – and can then act upon it. This unit will enable students to acquire the underpinning knowledge and skills to enable them to create, edit, enhance and save different types of digital image.

ASSESSMENT	Written Exam Paper	Coursework	% Weighting of each element
Understanding computer systems	1 hour		25 %
Using ICT to create business solutions		Centre assessed task	25%
Creating an interactive product using multimedia components*		Centre assessed task	25%
Creating digital images*		Centre assessed task	25%

* subject to change depending on the availability of resources

SUBJECT:	MUSIC	GCSE
EXAM BOARD:	WJEC	

Course Description

1. The course provides a more practical approach to GCSE. It is open to everyone, though pupils should be prepared for the high content of playing and singing required during the course. **This includes performing on your own and in groups both in lessons and in extra-curricular groups.** Academic work comes in the form of listening and theory based activities.
2. The course is divided into the following four areas of study but within each you will combine and extend the skills of Listening to, Performing and Composing of Music.
 - 1) **Music of Wales**
Folk, classical and pop; famous composers, performers, venues; instruments etc.
 - 2) **Music for Stage and Screen**
Film music, music for TV, opera, ballet, musicals.
 - 3) **Musical Evolution**
The history of music, from 1900 to today: the age of electronics, jazz and pop!
 - 4) **Musical Forms and Devices**
Studying how Pop and Classical Music is constructed.

At the end of the course you will be assessed in all three skills:-

Performing a solo and in a group

Composing two pieces of music on your own (coursework)

Listening examination on the areas of study.

Why Take Music GCSE?

The practical aspects of the subject offer a break from those that require more written work. For those of you who sing well and/or play an instrument regularly – you are already doing enough to get through most of the course and get a high grade! Remember, GCSE music teaches you new things that Grade 5 theory cannot and extends your creative skills.

If you are interested in music and enjoy it – take it!

ASSESSMENT	Written Exam Paper	Coursework	Practical Exam	% Weighting of each element
Performing			√	30%
Composing		√		30%
Listening	√			40%

SUBJECT:	PERSONAL, SOCIAL AND COMMUNITY AWARENESS	ASDAN
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Course Description

This Level 1 course offers learners a nationally recognised qualification and the opportunity to develop the skills required for the world of work or further training. The ASDAN Personal Development Programme offers imaginative ways of developing, recording and certificating a wide range of young people's personal qualities, abilities and achievements, as well as introducing them to new activities and challenges.

Students complete a number of challenges from the 13 modules that make up the Personal Development Programme and then compile a portfolio of evidence to show what they have done. The Module titles are:

- Communication
- The Community
- Sport and Leisure
- Home Management
- The Environment
- Number Handling
- Health and Survival
- World of Work
- Science and Technology
- The Wider World
- Expressive Arts
- Beliefs and Values
- Combined Studies

Credits are awarded for each complete module and qualifications can be achieved at either bronze or silver depending upon the number of credits gained.

Students are also required to plan and review their work at key points, explaining how they have developed their skills in six key areas:

- Teamwork
- Learning
- Coping with Problems
- Use of Maths
- Use of English
- Use of IT

The ASDAN Personal Development Programme provides an alternative to GCSE courses and is offered as a double option over two option blocks, the course must be selected in both blocks.

SUBJECT:	PHYSICAL EDUCATION	GCSE
EXAM BOARD:	WJEC	FULL COURSE

Course Description

Any pupil is able to take this GCSE examination as long as they are prepared to engage in all sporting activities over the two years. Not just one sport! The only requirements are a strong interest in PE and an excellent participation record at Key Stage 3. It is essential that pupils be prepared to bring their kit for all practical lessons. Candidates will need to develop their skills in four different areas of sport and they will be expected to represent the School in their chosen sports. Pupils do not need to be especially good at PE but they must be prepared to improve their skills over the two years and a degree of physical fitness is therefore essential.

The course is in two parts:

Practical which is 60% of the marks:

Pupils must offer a choice of four activities from the following activity areas: -

1. Competitive game (including gymnastics)
2. Dance
3. Adventurous activity (non-competitive) e.g. sailing
4. Exercise activity (non-competitive) e.g. Weight training, aerobics.

It is now possible for pupils to offer up to three competitive games, three types of dance or gymnastics, and outdoor activities as a performer. An exercise activity may be chosen as their fourth option. Pupils can also be assessed in leading or officiating in their sport as long as they are regularly engaged in this activity.

On rare occasions a pupil may be involved in an off-site activity such as riding which is covered by the GCSE criteria and would be permitted to include it in their final assessment, as long as it has been fully logged and evidence recorded on film under the supervision of a fully qualified coach.

Theory, which is 40% of the marks:

Paper (40%)

Section A – A video showing extracts of a training session with written questions. Compulsory questions based on contemporary issues in sport.

Section B- Compulsory questions based on the sports science section of the course content.

ASSESSMENT	Written Exam Paper	Coursework	Practical Exam	% Weighting of each element
Theory Paper	√			40%
Practical			√	60%

SUBJECT:	RELIGIOUS STUDIES	FULL & SHORT COURSE GCSE
EXAM BOARD:	WJEC	

Course Description			
Those pupils who opt for the Full GCSE Religious Studies Course will debate and discuss a range of contemporary moral and religious issues. There is no coursework assessment in this course.			
<u>Unit 1. Religion and Life Issues</u>			
Topic 1. Relationships		- Issues of Love, Marriage and Divorce.	
Topic 2. Is it Fair		- Issues of Justice and Equality.	
Topic 3. Looking for Meaning		- Issues about God, Life and Death.	
Topic 4. Our World		- Exploring creation and our place in the world	
<u>Unit 2. Religion and Human Experience</u>			
Topic 1. Religion and Conflict		- Issues of Peace, Forgiveness and Conflict.	
Topic 2. Religion and Medicine		- Issues of Medical Ethics and Sanctity of Life	
Topic 3. Religious Expression		- Issues of expressing One's Faith	
Topic 4. Authority-Religion and State		- Issues of Law and Order in Religion and Society	
<u>What is the career value of Religious Studies?</u>			
This course will positively contribute to the following areas of employment where an understanding of some of the important moral issues facing humanity are investigated.			
Teaching	Law	Social Work	Industrial Relations
Health Service	Journalism	The Police Service	P.R.
Personnel Work	Medicine	Management	
A* - G grades awarded for Full & Short Courses			

ASSESSMENT	Written Exam Paper	Coursework	Practical Exam	% Weighting of each element
<u>Short Course</u> First written paper (Unit 1) Four structured questions consisting of visual stimuli used as a basis for a series of paragraph and extended writing answers.	1hr 45mins			100%
Full Course As above for First written paper Second written paper Unit 2	1hr 45mins			100%

SUBJECT:	BTEC FIRST IN SPORT AWARD LEVEL 1 & 2	Level 2 is the equivalent of 1 GCSE Grade A*-C Level 1 is the equivalent of 1 GCSE Grade D-G. If the exam for Unit 1 is not passed the pupil can only achieve a Level 1 Award.
EXAM BOARD:		

Course Description

This course is primarily aimed at those who have an interest in participating, learning and researching about sport. It will lead those who are interested on to careers in leisure centres, sports development, coaching or PE teaching. Pupils will be expected to participate in practical lessons and are encouraged to make themselves available for school teams.

Topics you will learn about

Compulsory Topics.

- Unit 1 - Fitness for Sport and Exercise.
- Unit 2 - Practical Sport – Pupils performance and knowledge of two sports will be assessed. A choice of sports will be offered

Two of the below option topics will be completed.

These will be decided upon by staff according to the needs of the group.

- THE MIND AND SPORTS PERFORMANCE.
- THE SPORTS PERFORMER IN ACTION.
- TRAINING FOR PERSONAL FITNESS.
- LEADING SPORTS ACTIVITIES.

How will you be assessed?

This subject is a mixture of set assignments, practical assessment and an exam. The exam is multiple choice and will be based on work covered in lessons. Regular assignments with set deadlines that must be met will also be part of the assessment.

Every assessed piece of work equates to a mark – the marks are then totalled to give an overall grade – pass, merit or distinction.

The practical performance area of the course is worth 25% of your overall mark but is assessed on knowledge of the rules, tactics, individual roles of players and officials, as well as your playing ability.

ASSESSMENT	Written Exam Paper	Written Assessed Coursework	Practical Coursework	% Weighting of each element
UNIT 1	/			25%
UNIT 2		/	/	25%
Option 1		/		25%
Option 2		/		25%

SUBJECT:	WELSH SECOND LANGUAGE	GCSE
EXAM BOARD:	WJEC	FULL COURSE

<p>Course Description Welsh is offered through two qualifications, GCSE Full Course and GCSE Short Course.</p> <p><u>GCSE Full Course (Option Block)</u></p> <p><u>What will I study?</u></p> <p>Pupils opting to study Welsh will have the opportunity to continue their learning of the language through the study of a variety of interesting topics, relevant to their own personal experience.</p> <p>Themes include: Me and where I live Interests, Wales and it's Culture Friends, family and school Healthy living and technology</p> <p>The course is designed to provide our students with a wide range of linguistic skills, which could be transferred to any future language learning.</p> <p><u>How will I be assessed?</u></p> <p>The Full Course is offered at both Higher Tier (A* - D grades) and Foundation Tier (C –G grades). Pupils are entered for the level appropriate to their ability as demonstrated in class and school based tests.</p> <p><u>How useful is GCSE in Welsh?</u></p> <p>Increasing numbers of jobs are advertised as requiring a working knowledge of the language. Career paths involving use of the language could include the Media, Education, Public Services, Health Services and the Leisure and Tourism Industry. Pupils studying Welsh have the opportunity to gain a greater understanding of the language and culture of the country in which we live.</p> <p><u>Welsh outside of the classroom</u></p> <p>Pupils are encouraged to use their Welsh outside of the classroom. To this end, overnight stays in Cardiff, guest speakers, drama workshops etc will give an opportunity to develop the spoken language.</p>
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ASSESSMENT	External Exam Paper	Coursework	Practical Exam	% Weighting of each element
UNIT 1 Written/Reading	√ June Yr 11			25%
UNIT 2 Coursework (3 Tasks)		√ Completed in Yr 10		25%
UNIT 3 Group Oral			√ March/April Yr 11	25%
UNIT 4 Written/Reading	√ June Yr 11			25%

COMPULSORY CORE SUBJECTS

SUBJECT:	ENGLISH LANGUAGE	GCSE
EXAM BOARD:	ENGLISH LITERATURE	GCSE
	WJEC	

Course Description
English in Years 10 and 11 is studied by all pupils for seven lessons per fortnight and leads to GCSE English Language and GCSE English Literature (if the student has the ability and aptitude). Pupils are taught in broad bands of ability.
A **new specification** for both GCSE English Language and English Literature will be taught from September 2015 with first awards being given in 2017.

The aim of all English courses is to develop to the highest possible degree the individual pupil's reading skills and command of written and spoken English. This is done through a variety of reading and writing tasks and oral work. All courses contain a substantial element of literary study, at a level appropriate to the abilities of the pupils concerned. This study is longer and more detailed in the English Literature course, and leads to a separate qualification, although the work must be completed in the same lesson time. We hope that all pupils will enjoy their English course.

There are no written Controlled Assessment Tasks in English Language however 20% of the final mark is composed of 2 separate Speaking and Listening tasks. The first is an Individual Researched Presentation and the second a group discussion. Both of these tasks are prepared in class and assessed by your class teacher.

All English courses have a final examination. In GCSE English Language there are two papers. **Unit 1** will test your understanding of fictional texts through a range of structured questions and an editing task. Then you will be required to write a piece of fiction. **Unit 2** will test your understanding of persuasive, argumentation and instructional texts through a range of structured questions. Then you will be expected to complete two writing tasks. In both writing sections half the marks awarded are for the content, organisation and accuracy of your writing.

In GCSE Literature, there are also two papers with questions on different cultures and contemporary prose, drama and poetry. In GCSE Literature the written assessment counts for 25% of the final mark. This assessment will be completed under controlled conditions and will be externally moderated. The controlled assessment pieces will be subject to examination rules and procedures. The assignments must be completed by the deadlines set out by the Examining Board.

ASSESSMENT	Written Exam Paper	CATS	Practical Exam	% Weighting of each element
GCSE ENGLISH UNIT 1		ORAL 20%	—	UNIT 1 20%
GCSE ENGLISH UNIT 2	2 Hours		—	UNIT 2 40%
GCSE ENGLISH UNIT 3	2 Hours			UNIT 3 40%
GCSE ENGLISH LITERATURE UNIT 1	2 Hours		—	UNIT 1 35%
GCSE ENGLISH LITERATURE UNIT 2	2 Hours		—	UNIT 2 40%
GCSE ENGLISH LITERATURE UNIT 3		25%		UNIT 3 25%

SUBJECT:	MATHEMATICS NUMERACY	GCSE GCSE
EXAM BOARD:	WJEC	

Course Description

You will probably have noticed how important Mathematics has become for everyone, both at work and at home. The list of examples of using Mathematics at home is almost endless – household budgets, bank statements, salary slips, dimensions of floors, walls and furniture, graphs, charts and statistics in newspapers and on the television, and many more. In the world of work, the importance of Mathematics is growing daily. It is the key to Science and Engineering and is indispensable to the commercial world. Besides these obvious applications, there is also a growing use of Mathematics in subjects such as History and Geography, particularly in the form of statistical analysis.

Mathematics in the Year 10 and Year 11 GCSE Key Stage 4 course is a balance of investigative, practical and traditional work. At Milford Haven School we follow the WJEC syllabus.

We ensure that our courses provide adequately for the needs of all pupils. There will be some who plan to make their careers in mathematics – their main need is for a thorough grounding in the concepts and principles of academic mathematics. Others will need a battery of mathematical skills that can be applied fluently and some will require certain ‘key skills’.

You will build on the work you have been doing in Years 7, 8 and 9. It is hoped that you will continue to:

- Have a positive attitude to Mathematics
- Consolidate basic skills but also meet new challenging work
- Apply your knowledge and skill to solve problems
- Think and communicate mathematically
- Appreciate the use of Mathematics in society
- Acquire a firm foundation should you wish to study the subject further.

At the end of Year 11, pupils sit 2 GCSEs. Mathematics GCSE and Numeracy GCSE. At GCSE, three tiers of entry are provided as follows

Grades available at each Tier are as follows

Higher Tier: A* A B C

Intermediate Tier: B C D E

Foundation Tier: C D E F G

The results for candidates’ achieving less than the minimum mark for the lowest grade at each tier, will be recorded as ‘U’. The aim is to enter each pupil at the tier that will produce the best grade.

ASSESSMENT	Written Exam Paper	% Weighting of each element
GCSE Mathematics	Unit 1 - Non Calculator	50%
	Unit 2 - Calculator	50%
GCSE Numeracy	Unit 1 - Non Calculator	50%
	Unit 2 - Calculator	50%

SUBJECT:	SCIENCE A (Year 10)	1 GCSE
	ADDITIONAL SCIENCE (Year 11)	1 GCSE
EXAM BOARD:	WJEC	

Science is a core subject and must be studied by every pupil in years 10 and 11. There are two qualification routes in science. **The following is the traditional academic route.**

In year 10 pupils will study three units, externally assessed, one each in Biology, Physics and Chemistry. In addition there is an internally assessed controlled assignment. The course therefore consists of four units each worth 25% of the total marks. At the end of year ten pupils will have completed one GCSE in Science. The external exams are 60 minutes long and cover the following topics in year 10.

Biology: Variety of life, adaptation and competition. Monitoring the environment, energy flow and nutrient transfer. Variation, evolution, inheritance, gene technology. Organ response and regulation and health.

Chemistry: Elements and the periodic table, compounds, metals and non metals. The reactions of acids. The production and uses of fuels and plastics. The ever changing Earth.

Physics: The generation and transmission of electricity. Energy transfer and the energy supply in the home. The characteristics of waves. Ionising radiation. The solar system and its place in an evolving universe.

In year 11 pupils will study Additional Science. Again the course consists of four units each worth 25% of the total marks. At the end of year 11 pupils will have completed a second GCSE in Science, with possibly a different grade to that achieved in year 10. The external exams are 60 minutes long and cover the following topics in year 11.

Biology: Cells, cell processes and cell transportation. Photosynthesis and respiration. Digestive and respiratory systems. Biodiversity and environment.

Chemistry: Atomic structure and the periodic table. Reactions of alkali metals and halogens. Chemical bonding, structure and properties. Rates of chemical change. Basic organic chemistry and chemical calculations. The supply and analysis of water.

Physics: Simple electrical circuits. Distance, speed and acceleration. The effect of forces and the interaction between objects. The nature of nuclear radiations and the half life of radioactive materials. Nuclear fission and fusion.

ASSESSMENT	Written Exam Paper	Coursework	Controlled assessment	% Weighting of each element
Three exams PLUS	BIOLOGY 60 MINS	none	2 week research project	Exams 25% each
Controlled assessment	CHEMISTRY 60 MINS		90 minutes of data gathering	Controlled assessment 25%
	PHYSICS 60 MINS		45 min analysis task	

SUBJECT:	BTEC SCIENCE	2 GCSEs
EXAM BOARD:	EDEXCEL	

Science is a core subject and must be studied by every pupil in years 10 and 11. There are two qualification routes in science. **The following is the vocational route.**

This course offers an opportunity for students to study science in a vocational context. It is a course built around the science used by people in wide variety of jobs. It will prepare pupils for further study on a science related course, or for further training in industry, or for general employment. The course places a heavy emphasis on practical work and the scientific skills needed to carry a variety of experiments out and to analyse the results. In addition, pupils need to focus on the way in which we communicate our ideas or the ideas of others to a wider audience. There are two options being taught; an extended level 2 certificate which is equivalent to two GCSEs. There is an external examination worth 25%. The remaining 75% is assessed through coursework.

Both the above courses have three common modules

Unit 1: Chemistry and Our Earth

Unit 2: Energy and Our Universe

Unit 3: Biology and Our Environment

Then for the extended certificate a further three units will be studied.

ASSESSMENT	Written Exam Paper	% Weighting of each element
Internal Coursework	No	75%
External Exam	Yes	25%

COMPULSORY SUBJECTS

SUBJECT:	Personal Development	
EXAM BOARD:		

Course Description

In the Personal Development lessons all pupils will study modules on:

- Parenting.
- Abortion.
- Enterprise.
- Applying for a job.
- Sex Education.
- Politics.
- The Environment.
- Learning Pathways.
- Personal Finance.
- Mental Health.
- Exam Skills

PD includes elements of the statutory frameworks for PSE [Personal and Social Education], Careers Education and Work Related Education with the latter two elements being covered mainly in Key Stages 4. It also contributes to the Welsh Baccalaureate in Key Stages 4. Students gain some of the evidence needed for accreditation in the Wider Key Skills during PD lessons.

As an extension of the provision included in the PD programme the school organises a Curriculum Enrichment Day each term during which outside speakers and visits enhance the work done in PD sessions

SUBJECT:	WELSH SECOND LANGUAGE	GCSE
EXAM BOARD:	WJEC	SHORT COURSE

Course Description

Welsh is offered through two qualifications, GCSE Full Course and GCSE Short Course.

GCSE Short Course

What will I study?

Pupils opting to study Welsh will have the opportunity to continue their learning of the language through the study of a variety of interesting topics, relevant to their own personal experience.

Themes include: **Me and where I live**
Interests, Wales and it's Culture

The course is designed to provide our students with a wide range of linguistic skills, which could be transferred to any future language learning.

How will I be assessed?

The Short Course is offered at both Higher Tier (A* - D grades) and Foundation Tier (C –G grades) in Unit 2, but currently only at Foundation level in Unit 1

How useful is GCSE in Welsh?

Increasing numbers of jobs are advertised as requiring a working knowledge of the language. Career paths involving use of the language could include the Media, Education, Public Services, Health Services and the Leisure and Tourism Industry. Pupils studying Welsh have the opportunity to gain a greater understanding of the language and culture of the country in which we live.

Welsh outside of the classroom

Pupils are encouraged to use their Welsh outside of the classroom.

ASSESSMENT	External Exam Paper	Coursework	Practical Exam	% Weighting of each element
UNIT 1 Written/Reading	√ June Yr 11			50%
UNIT 2 Coursework (3 Tasks)		√ Completed in by December in Yr 11		50%