

Ysgol Syr Thomas Jones



2020



Prospectws 6ed 6th Form Prospectus



**YSGOL SYR THOMAS
JONES**
Pentrefelin, Amlwch, Ynys
Môn, LL68 9TH

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Neges gan y Prifathro

"Diolch i chi am ddangos diddordeb mewn mynychu'r 6ed dosbarth yn Ysgol Syr Thomas Jones. Hyderwn y bydd y wybodaeth a gyflwynir yma o gymorth wrth i chi wynebu cyfnod o wneud penderfyniadau pwysig a fydd yn helpu i gynllunio eich dyfodol.

Mae'r 6ed Dosbarth yn Ysgol Syr Thomas Jones yn cynnig cyrsiau o ansawdd wedi ei cyflwyno gan athrawon arbenigol profiadol ynghyd â chyfleoedd gwyb ar gyfer datblygiad personol. Bydd Mrs Bethan Hughes Jones (Pennaeth y Chweched), y tiwtoriaid dosbarth a'r athrawon pwnc yn darparu anogaeth, cefnogaeth ac addysgu ardderchog er mwyn sicrhau eich bod yn cyrraedd eich llawn botensial a'ch paratoi ar gyfer addysg uwch neu fyfyrwr.

Edrychwch yn ofalus ar y cyrsiau a gynigir gennym a'r amrediad eang o gyfleoedd i chi ddatblygu'n bersonol. Mae'r Fagoloriaeth Gymreig yn cynnig cyfleoedd gwyb i chi ddatblygu sgiliau rhyngbersonol, cymdeithasol a deallusol a fydd yn caniatáu i chi ddod yn aelod cyflawn o'r gymdeithas ac ennill cyflogaeth yn eich maes dewisol yn y dyfodol.

Mae yma hanes o lwyddo yn Ysgol Syr Thomas Jones, gydag addysg o ansawdd a disgwyliadau uchel yn arwain at ganlyniadau gwyb a mwyafrif llethol o fyfyrwyr yn symud ymlaen i ddilyn eu dewis gyrsiau mewn addysg uwch.

Os ydych yn dymuno dysgu mewn amgylchiadau gefnogol, yn chwilio am sialens ac amrywiaeth yn eich dysgu ac yn mwynhau gweithio'n galed ac anelu'n uchel, edrychwch ymlaen at eich croesawu i'r 6ed."

Mr Aaron Bayley, PRIFATHRO

The Headmaster's Message

"Thank you for showing an interest in joining the Sixth Form at Ysgol Syr Thomas Jones. We hope the following information will be of help to you in making important decisions as you plan for your future.

The Sixth Form at Ysgol Syr Thomas Jones offers courses of a high standard presented by experienced, specialist teachers as well as excellent opportunities to develop your personal attributes. Mrs Bethan Hughes Jones (Head of the Sixth Form), the Sixth Form tutors and subject teachers ensure that you have the necessary support and excellent teaching to enable you to reach your full potential and prepare you for higher education or the world of work.

Consider the courses we offer carefully, together with the wide scope of opportunities to develop as a person. The Welsh Baccalaureate offers excellent opportunities for you to develop interpersonal, social and intellectual skills that will allow you to become a full member of the community and gain employment in your chosen field in the future.

There is a history of success and high expectations at Ysgol Syr Thomas Jones, leading to excellent results with the majority of students embarking on their first choice of higher education course.

If you wish to study in a supportive environment seek challenge and variety in your education, always aim high and are prepared to work hard, we look forward to welcoming you to our Sixth Form."

Mr Aaron Bayley, HEADMASTER

CYRSIAU 2020-22 COURSES

Uwch Gyfrannol a Safon Uwch yn yr Ysgol

Advanced Subsidiary and Advanced Level

Llenyddiaeth Gymraeg / *Welsh Literature*

Llenyddiaeth Saesneg / *English Literature*

Mathemateg/*Mathematics*

Ffiseg/*Physics*

Cemeg/*Chemistry*

Bioleg/*Biology*

Astudiaethau Crefyddol/*Religious Studies*

Celf/*Art*

Hanes/*History*

Dylunio a Thechnoleg - Dylunio Cynnyrch Graffigol/*Design and Technology - Graphical Product Design*

TGCh/*ICT*

Astudiaeth Busnes/*Business Studies*



YSGOL SYR THOMAS

JONES

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Uwch Gyfrannol a Safon Uwch Consortiwm Ynys Môn

Advanced Subsidiary and Advanced Level - Anglesey Consortium group

Daeryddiaeth/*Geography* (Ysgol David Hughes)

Drama (Ysgol Uwchradd Bodedern)

Cerddoriaeth/*Music* (Ysgol David Hughes)

Addysg Gorfforol/*Physical Education* (Ysgol Uwchradd Bodedern/Ysgol Gyfun Llangefni)

Ffrangeg/*French* (Ysgol David Hughes)

Cymraeg Ail Iaith/*Welsh as a second language* (Ysgol Uwchradd Caergybi)

Almaeneg/*German* (Ysgol David Hughes)

Cyfrifiadureg Wyddonol/*Computer Science* (Ysgol Gyfun Llangefni)

Gwyddoniaeth Feddygol / *Medical Science* (Ysgol Uwchradd Bodedern)

Mathemateg Pellach / *Further Maths* (Ysgol David Hughes)

Y Gyfraith / *Law* (Ysgol David Hughes)

Llywodraeth a Gwleidyddiaeth / *Government and Politics* (Fideo gyn. *Video Conf.*)

Seicoleg / *Psychology* (Fideo gyn. *Video Conf.*)

Galwedigaethol Eraill Consortiwm Ynys Môn

Other Vocational - Anglesey Consortium group

BTEC Peirianeg Fecanyddol/*Mechanical Engineering* L3 (Coleg Menai, Bangor)

BTEC Technoleg Cerdd/*Music Technology* L3 (Coleg Menai, Bangor)

BTEC Cyfryngau Creadigol/*Creative Media* L3 (Coleg Menai, Llangefni)

BTEC Adeiladwaith/*Construction* L3 (Coleg Menai, Bangor)

BTEC Chwaraeon/*Sports* L3 (Ysgol David Hughes)

Gwefan i weld a llawrlwytho Prosbectws y Consortiwm: / *Webpage to download the Consortium Prospectus:*

<https://consortiumol16.cymru/cyrsiau/prospectws-bl12-medi-2020.aspx>

<https://post16consortium.wales/courses/yr12-september-2020-prospectus.aspx>

(Cliciwch ar ddogfen Ynys Môn / *Click on the Anglesey document*)

Cymhwysterau *Qualifications*



Safon Uwch ac Uwch Gyfrannol

Mae'r cyrsiau a gynigir yn yr ysgol yn gymhwysterau ar lefel 3 sydd yn ddilyniant naturiol i'r cyrsiau lefel 2 amrywiol bydd y myfyrwyr wedi'u dilyn yng Nghyfnod Allweddol 4. Mae cyrsiau safon uwch llawn yn cael eu hastudio dros gyfnod o ddwy flynedd a chysiau safon uwch gyfrannol dros flwyddyn. Bydd myfyrwyr fel arfer yn astudio 2, 3 neu 4 pwnc yn ogystal â'r Fagloriaeth. Mae'r cyrsiau i gyd yn fyddol ac yn arwain at Addysg Uwch.

Gweler manylion y cyrsiau ymhellach yn y llyfryn.

Y Fagloriaeth Gymreig

Ffocws canolog Bagloriaeth Cymru ar lefel Uwch yw darparu cyfrwng i ddysgwyr lefel 3 tgyfnerthu a meithrin sgiliau hanfodol a chyflogadwydd. Gan adeiladu ar eu cyflawniadau ar lefel 2, bydd y cymhwyster yn helpu dysgwyr i feithrin sgiliau, priodolddau ac ymddygiad mwy cymhleth ac yn rhoi'r profiadau y maent eu hangen i'w paratoi'n well at gam nesaf eu bywyd, p'un a ydynt yn penderfynu mynd i'r brifysgol neu i weithio. Mae pwyslais Bagloriaeth Cymru ar ddysgu ymhwysol h.y. caffael a defnyddio amrywiaeth o sgiliau trosglwyddadwy. Bydd dysgwyr yn meithrin sgiliau drwy dasgau pwrpasol; defnyddio wybodaeth a dealltwriaeth mewn cyd-destunau priodol i ddysgwyr lefel 3. Bydd Bagloriaeth Cymru yn annog y dysgwr i werthfawrogi'r broses o feithrin sgiliau fel agwedd allweddol ar addysg a dysgu gydol oes. Bydd cynnig profiad dysgu sy'n berthnasol i anghenion a gofynion y gweithle yn meithrin hyder, cymhelliant a blaengaredd dysgwyr, gan eu paratoi i ymuno â'r byd gwaith, i lwyddo yn y byd hwnnw ac i ddatblygu ynddo. Drwy Fagloriaeth Cymru, bydd y dysgwyr yn codi eu lefelau sgiliau a'u hyder, gan eu galluogi a'u grymuso i ymgymryd â'u rôl fel dinasyddion cyfrifol a gweithgar o fewn cymdeithas amrywiol. Ar y cyd â'r broses o feithrin sgiliau a thrwy'r broses honno, mae Bagloriaeth Cymru yn rhoi'r cyfle i'r dysgwyr feithrin eu gwybodaeth a'u dealltwriaeth o gymdeithas, y gymuned maent yn byw ynddi ac ymwbyddiaeth o faterion, digwyddiadau a phersbectifau byd-eang.

Mae Bagloriaeth Cymru yn seiliedig ar **Dystysgrif Her Sgiliau** ynghyd â **Chymwysterau Ategol**. Rhaid bodloni gofynion y Dystysgrif Her Sgiliau a'r Cymwysterau Ategol er mwyn cyflawni Bagloriaeth Cymru yn ei chyfanrwydd.

Ail-sefyll TGAU

Yn flynyddol bydd cyfle i rai myfyrwyr na lwyddodd gystal â'r disgwyl mewn neu ddau o'u pynciau TGAU i'w ail-sefyll tra'n astudio yn y chweched. Rhaid pwysleisio mai prin yw'r achosion pob blwyddyn a dylai pob myfyriwr sicrhau eu bod yn paratoi'n drylwyr i lwyddo ym mlwyddyn 11 fel y gallant roi eu holl egni i'w cyrsiau lefel 3 yn y chweched. Fe fydd cost i ail-sefyll unrhyw arholiadau.

Advanced and Advanced Subsidiary Levels

The courses on offer in school are qualifications at level 3 which is a natural progression from the variety of level 2 courses the students studied in Key Stage 4. Full A level courses are studied over two years and As level courses over one year. Students usually choose 2, 3 or 4 courses as well as the Baccalaureate. Courses are modular and offer progression to Higher Education.

See course details further on in the handbook.

The Welsh Baccalaureate

The central focus of the Welsh Baccalaureate at Advanced level is to provide a vehicle for level 3 learners to consolidate and progress the development of essential and employability skills. Building on their achievements at level 2, the qualification will help learners develop more complex skills, attributes and behaviours. It will provide experiences which will enable learners to be better prepared for their future destination, whether university, further training or employment. The emphasis in the Welsh Baccalaureate is on applied learning i.e. acquiring and applying a range of transferable skills. Learners will develop skills through engagement in purposeful tasks; applying knowledge and understanding in contexts appropriate for level 3 learners. The Welsh Baccalaureate will encourage the learner to value skills development as a key aspect of education and life-long learning. Offering a learning experience relevant to the needs and demands of the workplace will develop learners' confidence, drive and initiative, preparing them to enter, succeed and progress in the world of work. Through the Welsh Baccalaureate learners will raise their skills levels and confidence, enabling and empowering them to take their place as responsible and active citizens within a diverse society. Alongside and through the development of skills, the Welsh Baccalaureate provides learners with the opportunity to develop their knowledge and understanding of society, the community in which they live and an awareness of global issues, events and perspectives.

The Welsh Baccalaureate is based on a **Skills Challenge Certificate** alongside **Supporting Qualifications**. The requirements of both the Skills Challenge Certificate and Supporting Qualifications must be met in order to achieve the overarching Welsh Baccalaureate.

GCSE Re-sits

Each year the opportunity is offered for some students who did not achieve as well as expected in one or two of their GCSEs, to re-sit examinations in the sixth form. Emphasis, however is put on the fact that these cases are rare and each student should prepare themselves fully to succeed in year 11 so that all their energy can be afforded to their level 3 courses in the sixth form. There will be a charge for any re-sits.

Cefnogaeth i bawb *Support for all*

“

Mae'r gefnogaeth a'r anogaeth dysgu yn yr ysgol yn arloesol ac yn hanfodol i lwyddiant yn y chweched

”

Rydym yn cynnig y gwasanaethau canlynol yn yr ysgol:

- **Cefnogaeth ac anogaeth dysgu**
- **Pennaeth Blwyddyn, Thiwtoriaid Profiadol ag Anogwyr Dysgu**
- **Arweiniad am Yrfaoedd**
- **Adnoddau Dysgu a'r llyfrgell**
- **Cyngor am Addysg Uwch**
- **Cyngor Ariannol**
- **Cludiant**
- **E-ddysgu**
- **Moodle**

We offer the following services in school:

- **Support and Coaching for Learners**
- **Head of Year, Experienced Tutors and Learning Coaches**
- **Careers Advice**
- **Learning Resources and Library**
- **Higher Education Advice**
- **Financial Advice**
- **Transport**
- **E-learning**
- **Moodle**

“

We are here to help you make the right choices for your future career paths

”

CYMRAGE Lefelau Uwch Gyfranoli ac Uwch



Beth fyddaf yn ei ddysgu?

Byddwch yn dysgu mwy am ffilmiau, dramâu a llenyddiaeth Gymraeg yn gyffredinol, gan wneud tasgau di-arholiad i'r hyn rydych wedi'u gwneud yn TGAU. Byddwch hefyd yn dysgu mwy am sut i ddefnyddio'r Gymraeg yn gywir.

Sut byddaf yn ei ddysgu?

Byddwch yn dysgu mewn gwersi ffurfiol ac mewn seminarau yn trafod y gwahanol agweddau sy'n deillio o'r gwaith gosod. Y mae llawer iawn mwy o bwyslais ar weithio'n annibynnol ar y lefel hwn. Yn ychwanegol at hyn, bydd gofyn i chi ddarllen yn eang gan drafod yn anffurfiol yr hyn rydych wedi'i ddarllen a gweld sut y perthyn y nofelau rydych yn eu darllen er pleser i'r gwaith gosod.

Beth fyddai ei angen?

Yn ddelfrydol, Cymraeg Iaith TGAU (Gradd C neu uwch) a Llenyddiaeth Gymraeg TGAU (gradd C neu uwch).

Mae dilyn yr Haen Uwch yn TGAU yn fanteisiol i ddilyn y cwrs hwn ond nid yn angenrheidiol.

Sut byddaf yn cael fy asesu?

Yn y cwrs UG, bydd arholiad llafar yn trafod ffilm a drama osod, sy'n 15% o'r asesiad, tasgau di-arholiad yn 10% o'r asesiad ac un arholiad ffurfiol ar y diwedd sydd hefyd yn 15% o'r asesiad. Ar y lefel Uwch, ceir un arholiad llafar yn trafod y nofel osod, ac yna ddau arholiad ffurfiol; un yn profi eich gwybodaeth o hen lenyddiaeth Gymraeg Canol—barddoniaeth a rhyddiaith, ac un yn profi eich gallu i ddefnyddio'r Gymraeg ac i werthfawrogi darn o farddoniaeth neu ryddiaith ar eich pen eich hun.

Beth sydd yn digwydd ar ôl y cwrs yma?

Y mae ennill cymhwyster yn UG neu Safon Uwch yn y Gymraeg yn agor y drysau yn amlwg i chi ddilyn y pwnc ymhellach yn y Brifysgol, neu i ddilyn cwrs cyffelyb yn Addysg Uwch megis Cyfathrebu, Llenyddiaeth y Cyfryngau neu Ysgrifennu Creadigol. Y mae'n gwrs buddiol iawn i'w wneud os yr ydych yn dymuno mynd i astudio'r Gyfraith neu Ddyniaethau ymhellach, neu wrth gwrs fynd i astudio Addysg neu wahanol elfennau o Gymdeithaseg.

Syniadau Gyrfaoedd!

Yn y Gymru fodern, y mae astudio Cymraeg i'r safon hwn yn gymhwyster hynod boblogaidd ar gyfer ystod eang o yrfaeod megis cyfieithu, gweithio ar y cyfryngau, Newyddiaduraeth, Y Gyfraith, a dysgu wrth gwrs neu yn wir, unrhyw faes celfyddydol. Y mae sawl un sydd a chymhwysterau yn y Gymraeg wedi mynd yn eu blaenau i swyddi ym myd busnes megis cysylltiadau cyhoeddus. Wrth reswm, y mae'r cymhwyster yn sylfaen dda hefyd i waith mewn proffesiynau megis Yr Heddlu a Nyrso.

Eisiau gwybod mwy?

Y mae croeso mawr i chi ddod am sgwrs anffurfiol at Mrs Wendy Griffiths neu Mrs Teleri Hughes



What will I learn?

- The ways in which writers use and adapt language, form and structure in texts;
- The interpretation of texts by different readers, including over time.
- How texts relate to literary traditions, movements and genres.
- The cultural and contextual influences on readers and writers.

How will I learn it?

- Classroom workshop sessions to explore and study texts in depth.
- Classroom discussion.
- Wider reading.
- Creative reading/ writing sessions.
- Using some online media.

What will I need?

- Enthusiasm for reading and talking about Literature.
- A willingness to become involved.
- A good standard of written English.
- Commitment to work hard to achieve real success.

How will I be assessed?

- AS will be two units of work : Unit 1: Prose and Drama (closed book) 2 hour examination. Unit 2: Poetry post 1200 (open book) 2 hour examination.
- A2 will be three units :
Unit 3 : Poetry pre 1900 and unseen poetry (open book) 2 hour examination.
Unit 4 : Shakespeare (closed book) 2 hour examination.
Unit 5 : Prose Study (coursework)

What happens after this course?

This is an excellent foundation for studying English Literature at University. It is an excellent core A Level, with a high level of academic standards that will give access to a variety of other courses in higher education; progression to the next level of vocational qualifications; 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.

Career ideas!

- Journalism
- Teaching
- Media
- Law
- Public Services

Want to know more?

Contact : Mrs Tracey Stretton.

English Literature

Advanced Subsidiary and Advanced Level

MATHEMATICS

(Advanced Subsidiary and Advanced Levels)



What will I learn?

In Year 12 candidates will study work on algebra, co-ordinate geometry, calculus and probability to name but a few. They will learn their work at a much deeper level than at GCSE. If they are successful at AS level in Year 12, they will progress to Year 13, where they will study pure maths at an even greater depth along with mechanics. There is a great variety of topics covered and the course is very interesting, stimulating and enjoyable if you love maths and are prepared to work hard!

How will I learn it?

Candidates will follow a Modular course. In year 12 they will study two pure modules C1 and C2 as well as one applied module on Statistics, S1. In year 13 the candidates will do two further pure modules C3 and C4 and also a module on Mechanics, M1. We provide revision courses on each module to help the students prepare for their external exams and learn their work effectively.

What will I need?

Candidates will need a good work ethic and enjoy maths. They will also, very importantly, need to have gained at least a B grade at GCSE. They must enjoy the challenge of problem solving and be prepared to spend quality time on homework and study.

How will I be assessed?

Candidates will be assessed by examination only. At the end of year 12 they will receive an AS award based on three 1½ hour exams (C1,C2 and S1). If they continue with Maths in Year 13, they will sit three more 1½ hour exams (C3, C4 and M1). The A level award will be based on the six modules. There may be a possibility of exceptional students studying the 'further maths' course on top of the 'A' level course. Further details from Mr. Bryn Roberts (Head Of Department).

What happens after this course?

An 'A' level qualification in Maths opens many doors. Successful candidates could choose to go on to degree courses in Mathematics, Physics or Engineering where there is a significant element of Maths. Successful candidates could also apply to the leading Universities as Mathematics is recognised as an highly academic qualification.

Career ideas!

Many and varied! To name but a few: Medicine, Accountancy, Actuaries, Medical Statisticians, Engineering, Architecture, Teaching, Physicist, Dentistry etc.....

Want to know more?

Please contact 'The Head Of The Maths Department' Mr.Bryn Roberts for any further information you may need. We have a tradition in our department of looking after our budding Mathematicians and our 'A' level results are always excellent.

What will I learn?

The course builds on understanding gained at GCSE and takes it much further.

The AS course is split into 2 Units: Unit 1 looks at Motion, Energy and Matter, while Unit 2 looks at Electricity and Light.

The A2 course builds on work from the AS course and has a further 3 Units of work: Unit 3 which studies Oscillations and Nuclei. Unit 4 studies Field together with an Options Unit. Unit 5 is a Practical Examination.



How will I learn?

The Physics course requires problem solving abilities, presentation skills, quantitative calculations and data analysis. It is expected that research into A level text books and the web will be undertaken to enhance the comprehension of the subject.

What will I need?

- A very high examination mark on the Higher Tier paper equivalent to a B+ grade.
- Have a Mathematical ability - with a good result at Maths GCSE, Preferably B or better.
- Have shown interest and commitment in GCSE.
- Shown enthusiasm in GCSE lessons and homework.
- Maturity and the ability to work independently.
- Show measurable development in the first term of the course.

How will I be assessed?

- **AS – Unit 1 & Unit 2** module exam in May/June (20% of qualification respectively)
- **A2 – Unit 3 & Unit 4** module exam in May/June (25% of qualification respectively) with a practical exam (**Unit 5**) in March (equivalent to 10% of qualification).

What happens after this course?

A Physics qualification is highly regarded and recognised by potential employees. A methodical approach and assessment of problems, which are then logically solved is a skill that is developed during the period of study. Potential employees find this highly attractive and therefore can aid job prospects. This course is suitable for further study of Physics, Engineering and many more subjects at Higher Education level!

Career Ideas!

Look at the IOP website (Institute of Physics) <http://www.physics.org/index.asp> and click on careers.

Want to know more?

Contact – Dr Geraint Owen Jones, Deputy Headmaster.

PHYSICS

(Advanced Subsidiary and Advanced Levels)

Lefel Uwch Gyfranoli ac Uwch Cemeg

Beth fyddaf yn ei ddysgu?

Mae'r cwrs lefel A wedi ei rannu yn 5 uned. Mae'n adeiladu ar ddealltwriaeth o'r pwnc ar lefel TGAU gan astudio'r gwaith yn llawer mwy manwl.



Mae 2 uned ym mlwyddyn 12, sef uned 1 a 2 sydd yn edrych ar destynau fel fformiwlâu, cyfrifiadau, bondio, y Tabl Cyfnodol, egni adwaith, cyfradd a chemeg organig.

Ym mlwyddyn 13 mae 2 uned arall, sef uned 3 a 4 sy'n astudio Cemeg ffisegol, inorganig ac organig. Yn ogystal â hyn mae uned 5 sef gwaith ymarferol.

Sut byddaf yn ei ddysgu?

Mae'r cwrs yn gofyn am ddefnyddio sgiliau fel modelu, cyflwyno dadleuon, datrys problemau gwyddonol, dehongli data a chyfrifiadau. Mi fydd gwaith ymarferol yn hanfodol bwysig yn y cwrs ac yn sgil i'w ddatblygu dros y ddwy flynedd drwy gwblhau llyfryn labordy CBAC.

Beth fyddai ei angen?

- Mae angen gradd A*, A neu B cryf ar y papur haen Uwch TGAU.
- Mae dealltwriaeth mathemategol dda yn hynod o bwysig.
- Sgiliau ymarferol a thechnegau casglu a dadansoddi data.
- Diddordeb a brwdfrydedd yn y pwnc!



Sut byddaf yn cael fy asesu?

- Profion mewnol ar ddiwedd pob uned gwaith.
- Bl.12—2 arholiad allannol 1 1/2 awr yr un (uned 1 a 2)
- Bl.13—2 arholiad allannol 1 3/4 awr yr un ac arholiad ymarferol yn y labordy (uned 3,4 a 5)

Beth sydd yn digwydd ar ôl y cwrs yma?

Mae'r cwrs yn sylfaen addas ar gyfer astudio Cemeg neu faes tebyg mewn amrediad o gyrsiau addysg uwch neu fynediad uniongyrchol i fyd gwaith.

Syniadau Gyrfaoedd

Mae na amrywiaeth eang o gyfleoedd y gall astudio Cemeg arwain atynt, dyma rai syniadau

Meddygaeth, Fferyllaeth, Deintyddiaeth, Optegydd, Milfeddyg, Diwydiant Cemegol, Biocemeg, Peirianeg Cemegol, Gwyddoniaeth yr amgylchedd, Cemeg fforensig ...

Eisiau gwybod mwy?

Dewch am sgwrs - Miss Eleri Williams, Dirprwy Bennaeth Gwyddoniaeth.

What will I learn?

The A level course is made up of 5 units. These build on your knowledge of Chemistry from GCSE level, but looks at the subject in much more detail.

There are 2 units in Year 12 (unit 1 and 2), which study topics such as formulae, calculations, bonding, the Periodic Table, energetics, rates and organic chemistry.

In Year 13 there are 2 more units (unit 3 & 4) that study physical, inorganic and organic chemistry. As well as this there is a practical unit (unit 5).

How will I learn it?

The course demands skills such as modelling, presenting arguments, problem solving, analysis of data and calculations.

What will I need?

- Grade A*, A or a strong B on the higher GCSE Chemistry exam.
- A good understanding of maths is very important.
- Good practical skills and techniques to collect and analyse data.
- An interest and enthusiasm for Chemistry!



How will I be assessed?

- End of unit tests.
- Year 12—2 external exams, 1 1/2 hours each (unit 1 and 2)
- Year 13—2 external exams 1 3/4 hours each and a practical exam in the laboratory (unit 3,4 and 5)

What happens after this course?

The course is a suitable foundation for studying Chemistry or a related area through a wide range of higher education courses or direct entry into employment.

Career ideas

There is a wide range of options that studying Chemistry can lead to, some ideas are:- Medicine, Pharmacy, Dentistry, Optometry, Industrial Chemistry, Biochemistry, Chemical Engineering, Environmental Science, Forensic Science

Want to know more?

Come and see me—Miss Eleri Williams, Deputy Head of Science.



Chemistry

Advanced Subsidiary & Advanced Level

Beth fyddaf yn dysgu?

Trefnir y cwrs i 2 modiwl ym mlwyddyn 12(cwrs AS) a thri arall ym mlwyddyn 13 . Dyma grynodedb o gynnwys pob modiwl:-



AS UNED1: (GWERTH 20%)

Uned sy'n cynnwys Biocemeg a'r stwythurau sy'n hanfodol i organebau byw fodoli. Mae'n cynnwys adnabod strwythur cyfansoddion biolegol, ac ensymau, strwythur y gell, cellbilennu, cludiant ar draws y gell a cheillraniad. Asesir fel arholiad theori allanol.

AS uned 2:(Gwerth 20%)

Mae'r uned yn edrych ar ddosbarthiad organebau byw. Yn ogystal mae'n cymharu systemau cyfnewid nwyol, cludiant mewn planhigion ac anifeiliaid a maethiad ar draws ystod o anifeiliaid byw. Asesir ar ffurf arholiad theori allanol

A2 uned 3:(Gwerth 25%)

Mae'r uned yma'n astudio'r cyflenwad egni i organebau byw e.e resbiradaeth a ffotosynthesis, yn ogystal a phoblogaethau ,microbioleg, homeostasis a'r system nerfol.

A2 uned 4 (Gwerth 25%)

Mae'r uned yn astudio amrywiaeth ac esblygiad yn ogystal a geneteg a chymhwysiad geneteg. Yn ogystal astudir atgenhedlu rhywiol mewn anifeiliaid a phlanhigion.. O fewn yr uned mae un topig dewisol ble bydd rhaid ateb cwestiwn estynedig arno.

Tasg Ymarferol (Gwerth 10%)

Asesir yr tasg ymarferol ar ddiwedd y cwrs. Mae wedi'i rannu i ddwy ran – tasg ymarferol yn y labordy ac arholiad ble gofynnir iddynt i ddefnyddio a dehongli data

Sut fyddaf yn dysgu?

Drwy wersi ffurfiol sy'n cynnwys amrywiaeth o dechnegau dysgu. Yn ogystal bydd llawer o gyfleoedd i wella'r sgiliau ymarferol sy'n hanfodol i'w llwyddiant. Defnydd o lyfrau cyfeirio a llyfrynau adolygu.e.e llyfryn adolygu CBAC. Ymarfer cyn gwestiynau

Beth fyddaf angen?

TGAU :- Gwyddoniaeth Trifflwg yn fanteisiol. Angen gradd A-B yng Ngwyddoniaeth (Craidd ac Ychwanegol). Adnoddau:Ffeil,llyfryn ar gyfer gwaith ymarferol , llyfrau cyfeiriol, cyfrifiannell gwyddonol ac offer addas

Sut caf fy asesu?

Asesir y modylau theori ar ffurf arholiad allanol. Mae'r arholiadau yma'n cael ei cynnig ym Mehefin. Yn ogystal mae yna gyfle i ailsefyll modylau AS yn haf bl.13.lle bo angen.

Beth yw'r posibiliadau ar ol gorffen y cwrs?

Mae Bioleg yn gymhwyster angenrheidiol i nifer fawr o gyrsiau Prifysgol sy'n amrywio o feddygaeth a deintyddiaeth i gyrsiau yn ymwneud a'r amgylchedd. e.e cadwraeth, ac amaethyddiaeth . Mae nifer yn astudio Bioleg pur neu Ficrobioleg, a all arwain at waith mewn labordy iechyd cyhoeddus.

Gyrfaoedd

Gall y Gwyddorau arwain at ystod eang o yrfaedd posib e.e o feddygaeth i chadwraeth. Mae'r posibiliadau'n eang.

I ddarganfod mwy?

Ewch am sgwrs anffurfiol â Mr Eirian Davies

Ewch i'r wefan:<http://www.wjec.co.uk/>

Neu cysylltwch a Gyrfa Cymru : www.gyrfacymru.com

What will I learn?

The course is divided into 2 AS modules (year 12) and 3 A level modules (year 13). A synopsis of the full course is provided below:-



AS1: (WEIGHTING 20%)

This unit incorporates the biochemistry and structure that is fundamental to the functioning of living organisms: structure and function of biological compounds and enzymes; basic cell structure and organization; cell division; cell membranes; membrane transport. The module is assessed as an external theory exam.

AS2 : (Weighting 20%)

This unit studies the classification of living things. In addition it compares gaseous exchange and transport systems in animals and plants. It also compares adaptations found in nutrition in a range of living organisms. The module is assessed as an external theory exam

AS3: (Weighting 25%)

This unit involves the study of energy supply in living organisms e.e respiration and photosynthesis. In addition it studies microbiology and populations; homeostasis and the nervous system.

AS4 (Weighting 25%)

This unit involves the study of variation and evolution plus genetics and applications as well as sexual reproduction in animals and plants. There is also one topic which is chosen from a small list of topics within the unit which is assessed as an extended essay.

Practical Task: (Weighting 10%)

This is assessed at the end of year 13 and incorporates two parts namely a practical task carried out in the laboratory and a data handling exam.

How will I learn?

By formal lessons that include a variety of teaching and learning techniques. In addition there will be opportunities to improve practical skills, that are essential to success in the practical unit.

Use of text books and revision books e.g WJEC revision guide and practising past paper questions are also part of the learning process.

What will I need?

GCSE:- Triple Science is recommended. Require grades A-B in Science(Core and Additional).

Resources: A file, ,practical task book, text books, calculator and basic writing equipment.

How will I be assessed?

The theory modules are assessed as an external exam. These are available during June of each academic year. In addition there is the opportunity to resit an AS module if need be. The practical modules are assessed under formal exam conditions at the end of year 13.

What are the possibilities after completing the course?

Biology is an essential qualification for many university graduate courses ranging from Medicine and Dentistry to courses dealing with Environmental Health, Conservation and Agriculture. Many choose to study Pure Biology or associated degrees like microbiology. These can lead to working in medical research or public health laboratory.

Careers

Biology at A level can lead to a wide range of career opportunities e.g from medicine to conservation. The possibilities are wide ranging.

To find out more?

Go and see Mr Eirian Davies for an informal chat about the course.

Go to : <http://www.wjec.co.uk/>

Or contact Careers Wales at : www.gyrfacymru.com

Biology

Advanced subsidiary and Advanced Level

Beth fyddaf yn ei ddysgu a sut byddaf yn cael fy asesu?**UG (2 uned)****UG Uned 1: Cyflwyniad i'r Astudiaeth o Grefydd—Bwdhaeth****Arholiad ysgrifenedig: 75 munud 15% o'r cymhwyster****Ateb dau gwestiwn allan o bedwar**

Astudiaeth o grefydd - Bwdhaeth. Pedair thema: unigolion crefyddol a thestunau sanctaidd; cysyniadau crefyddol; bywyd crefyddol; ac arferion crefyddol.

UG Uned 2: Cyflwyniad i Athroniaeth Crefydd / Crefydd a Moeseg Arholiad ysgrifenedig: 105 munud 25% o'r cymhwyster. Ateb un cwestiwn allan o dri. Hefyd, dewis un cwestiwn arall, naill ai o Adran A neu B.**Adran A:** Cyflwyniad i Athroniaeth Crefydd: Pedair thema: dadleuon cosmolegol dros fodolaeth Duw; dadleuon teleolegol dros fodolaeth Duw; anfodolaeth Duw – problem drygio-ni; a phrofiad crefyddol.**Adran B:** Cyflwyniad i Grefydd a Moeseg: Pedair thema: iaith a syniadau moesegol, Deddf Naturiol Aquinas, Moeseg Sefyllfa Fletcher ac Iwtilitariaeth. Pynciau fel erthyliad, ewthanasia, arbrofi ar anifeiliaid, arfau niwclear, rhyw, perthynas hoyw.**Safon Uwch (UG a 3 uned arall)****U2 Uned 3: Astudiaeth o Grefydd - Bwdhaeth Arholiad ysgrifenedig: 90 munud 20% o'r cymhwyster**

Un cwestiwn ar wybodaeth a dau gwestiwn dadansoddol o bedair thema: Unigolion crefyddol a thestunau sanctaidd, datblygiad hanesyddol o ran syniadau crefyddol, datblygiad cymdeithasol arwyddocaol o ran syniadau crefyddol ac arferion crefyddol sy'n llunio hunaniaeth grefyddol.

UG Uned 4: Crefydd a Moeseg Arholiad ysgrifenedig: 90 munud 20% o'r cymhwyster

Un cwestiwn ar wybodaeth a dau gwestiwn dadansoddol o bedair thema: iaith a syniadau moesegol, Damcaniaeth Foesol Kant, datblygiadau cyfoes ym maes damcaniaeth foesegol ac ewyllys rydd a phenderfyniaeth. Pynciau fel y gosb eithaf, mewnfudiaeth.

UG Uned 5: Athroniaeth Crefydd Arholiad ysgrifenedig: 90 munud 20% o'r cymhwyster

Un cwestiwn ar wybodaeth a dau gwestiwn dadansoddol o bedair thema: Dadleuon ontolegol dros fodolaeth Duw, sialensiau i gred crefyddol, profiad crefyddol ac iaith grefyddol.

Sut byddaf yn ei ddysgu?

- Trafodaeth.
- Sgiliau ymchwiliol.
- Dysgu am destunau trwy ffilm, arteffactau, ymweliadau, newyddion, y We.
- Dehongli gwybodaeth.
- Dadansoddi materion.
- Ffurio a datblygu dadleuon.
- Gwerthfawrogi gwahanol safbwyntiau.
- Gweithgareddau aml-synhwyrol a medrau meddwl.

Beth fyddai ei angen?

Diddordeb a brwdfrydedd mewn astudio crefydd a diwylliant. Agwedd ymchwilgar â beirniadol yn ogystal â magu empathi tuag at astudiaeth o grefyddau a materion moesol. Ymwybyddiaeth o rôl crefydd yn y ganrif hon. Gan fod dilyniant naturiol rhwng y cwrs hwn a'r cwrs TGAU, byddai llwyddiant mewn Ast.Crefyddol TGAU yn fanteisiol, ond nid yw'n gwbl hanfodol. Offer cywir i bob gwers. Dillad addas ar gyfer teithiau addysgol.

Beth sydd yn digwydd ar ôl y cwrs yma?

Mae'r cwrs yn sylfaen addas ar gyfer astudio Ast.Crefyddol neu gyrsiau eraill mewn Addysg Bellach neu Addysg Uwch. Mae hefyd yn gwers addas i fyfyrwyr nad ydynt yn symud ymlaen i astudio y pwnc; Coleg pellach neu y byd gwaith.

Syniadau Gyrfaedd!

Os ydych eisiau gweithio gyda phobl, mewn gwaith gofal, dysgu, meddygaeth, gwaith cymdeithasol, gwleidyddiaeth, y gyfraith, addysg, newyddiaduraeth, cyhoeddi, yr heddlu, gyda phlant, iechyd, arlwy, adloniant, hamdden a thwristiaeth, y fyddin, gweithio mewn gwlad dramor neu mewn lleoliad cosmopolitaidd, yna rhydd Astudiaethau Crefyddol ddigon i chwi feddwl amdano yn ogystal â doniau gwerthfawr.

Eisiau gwybod mwy?

Am fwy o fanylion am y cwrs cysylltwch â Mrs Mefys Jones-Edwards neu edrychwch ar wefan CBAC.



What will I learn and how will I be assessed?

AS (2 Units)

Unit 1: An Introduction to the Study of Religion

Written examination: 75 minutes 15% of qualification

Two questions from a choice of four

The Study of one religion - Buddhism—Four themes: religious figures and sacred texts; religious concepts; religious life; and religious practices.

Unit 2: An Introduction to Philosophy of Religion / Religion and Ethics

Written examination: 105 minutes 25% of qualification One question from a choice of three Also, **one** further question from Section A or B.

Section A: An Introduction to Philosophy of Religion— Four themes: cosmological arguments for the existence of God; teleological arguments for the existence of God; the non-existence of God - the problem of evil; and religious experience.

Section B: An Introduction to Religion and Ethics: Four themes- ethical language and thought, Aquinas' Natural Law, Fletcher's Situation Ethics and Utilitarianism. Topics such as abortion, euthanasia, animal experimentation, nuclear weapons, sex, homosexual relationships.

A level (AS plus a further 3 units)

A2 Unit 3: Study of a Religion Buddhism Written examination: 90 minutes 20% of qualification

One knowledge-based question and two analytical questions taken from four themes: Religious figures and sacred texts, significant historical development in religious thought, significant social development in religious thought and religious practices that shape religious identity.

A2 Unit 4: Religion and Ethics Written examination: 90 minutes 20% of qualification

One knowledge-based question and two analytical questions taken from four themes: Ethical language and thought, Kant's Moral Theory, contemporary developments in ethical theory and freewill and determinism. Topics such as capital punishment, immigration.

A2 Unit 5: Philosophy of Religion Written examination: 90 minutes 20% of qualification

One knowledge-based question and two analytical questions from four themes: Ontological arguments for the existence of God, challenges to religious belief, religious experience and religious language.

How will I learn it?

- Discussions.
- Research skills.
- Learning through film, artefacts, educational visits, news, Internet.
- Interpret information.
- Analyse issues.
- Form and develop arguments.
- Appreciate various viewpoints.
- Multi-sensory and thinking skills activities.

What will I need?

Develop an interest and enthusiasm in the study of religion and culture. Foster an investigative and critical attitude as well as gaining empathy towards Religious Education and moral issues. Consider the role of religion in contemporary society. Since there is a natural progression between this course and the GCSE course, success in Religious Studies at GCSE would be an advantage, but not essential. Correct equipment for every lesson. Appropriate clothing for educational visits.

What happens after this course?

The course provides a suitable foundation for a degree in R.S or another subject; progression to the next level of vocational qualifications, or direct entry into employment.

Career ideas!

If you want to work with people, caring, teaching, medicine, social work, politics, Law, education, journalism, publishing, police force, with children, health, catering, leisure and tourism, the army, work abroad or in a cosmopolitan setting, Religious Studies will give you plenty to think about and provide valuable expertise.

Want to know more? For more information about the course, contact Mrs Mefys Jones-Edwards, or look at the WJEC website.



RELIGIOUS STUDIES

Celf Lefel Uwch Gyfranoli ac Uwch

Beth fyddai'n ddysgu?

Bydd uned o waith yn:

- Arddangos prosesau creadigol gwahanol i sicrhau cwricwlwm EANG .
- Bydd digon o gyfleoedd i ddysgwyr i arbrofi gyda amrywiaeth o dechnegau a phrosesau.
- Annog rhaglenni astudio agored ac eang lle gall myfyrwyr gael rhyddid i fynegi syniadau a drwy ddefnyddio iaith neu eirfa weledol.



Mae braslyfrau'n rhan allweddol o waith cwrs a hefyd yr arholiad terfynol sef U2 Uned 3. Yma gellir gweld datblygiad yr unigolyn ac y daw'r ffordd mae'n tyfu fel Arlunydd yn amlwg.

Sut byddai'n dysgu?

Lluniwyd y fanyleb UG a Safon Uwch newydd i gynnig profiadau dysgu creadigol sy'n ddeiniadol ac arloesol, lle mae arfer celf, chrefft a dylunio yn cael ei gyfuno'n ystyrlon a gwybodaeth a dealltwriaeth ddamcaniaethol.

Rhaid i ymgeiswyr arddangos:

- Sgiliau technegol a mynegiannol.
- Dychymyg a meddwl beirniadol a myfyriol.
- Gallu i arloesi, ac i addasu ac i weithio'n an-nibynnol.
- Sgiliau ymchwilio, dadansoddi, arbrofi, ymarferol, technegol a mynegiannol, dealltwriaeth esthetig a barn feirniadol.
- Profiad o weithio ag arediad eang o gyfryngau.



Beth fyddai angen?

Braslyfr / Offer Dylunio a Phaentio / llawer o ddychymyg a dyfalbarhad.

Sut y caf fy asesu?

Mae'r fanyleb newydd wedi'i rhannu'n gyfanswm o 3 uned, 1 uned UG a 2 uned U2.



UG Uned 1: Ymholiad Creadigol Personol, asesiad diartholiad 40% o'r cyhwyster (160 marc)

Safon Uwch, Uned 2: Ymchwiliad personol 36% o'r cymhwyster (160 marc)

Yn cynnwys dwy ran gyfansoddol integredig 1. Portffolio ymchwiliol beirniadol, ymarferol a damcaniaethol. 2. Elfen ysgrifennu estynedig o leiafswm o 1000 o eiriau sy'n gysylltiedig i'r gwaith ymarferol.

U2 Uned 3: Aseiniad wedi'i osod yn allanol 24% o'r cymhwyster (100 marc)

Beth all ddigwydd wedi dilyn y cwrs hwn?

Rhagor o ymchwilio'n y maes yn arbrofi ac yn arwain at gwrw Prifysgol neu fyd gwaith.

Oblygiadau gwaith.

Pensaer / Athro / Cynllunydd / Tynnwr Llyniau / Cynllunydd gemau / Dyn camera/Dylunydd Graffeg/ Dylunydd Set/ Dylunydd Ffasiwn.



Fuasech chi'n hoffi gwybod rhagor?

Gall yr Adran Gelf drafod y maes yn ddyfnach gyda chi. Mae sawl opsiwn ar gael i'ch siwtio CHI. Os ydych yn mwynhau gweithio'n

y maes aestheteg neu'n mwynhau lluniadu a phaentio, dewch draw am sgwrs gyda ni,

What will I be learning?

A unit of work should:

- Show different artistic-creative processes to ensure a BROAD curriculum and sufficient opportunities for learners to experiment with a variety of techniques and processes.
- Encourage adventurous and open programmes of study where students are given freedom to express their ideas and thoughts using a visual vocabulary.



Sketchpads are a major part of the coursework and also the terminal exam A2 Unit 3. It is here that the development of the individual as an artist becomes apparent.



How will I be learning?

The WJEC AS and A level specification in Art and Design has been designed to provide engaging and innovative creative learning experiences, where art, craft and design practice is meaningfully integrated with theoretical knowledge and understanding. Candidates are encouraged to develop:

- Technical and expressive skills.
- Imagination and critical and reflective thinking.
- The ability to innovate, adapt and work independently.
- The experience of working with a broad range of media
- Investigative, analytical, experimental, practical, technical and expressive skills, aesthetic understanding and critical judgement.



What will I need?

Sketchpad / Drawing and Painting equipment / Lots of imagination, dedication and Perseverance.

How will I be assessed?

The new specification is divided into a total of 3 units, 1 AS and 2 A2 units.

AS Unit 1: Personal Creative enquiry non-exam assessment 40% of qualification (160 marks)

A Level: A2 Unit 2: Personal Investigation 36% of qualification (160 marks)



Consists of two integrated parts: 1.A major in-depth critical, practical and theoretical investigative portfolio. 2. An extended written element of 1000 words minimum related to the practical work.

A2 Unit 3:Externally set Assignment 24% of qualification (100 marks)

What might happen following this course?

Further initial exploration of the Visual language, leading to University or the world of work.

Career Opportunities.

Architect / Teacher / Designer / Photographer / Draughtsman / Games designer / Cameraman / Set design/ Fashion Designer/ Graphic Design.

Want to know more?

The Art Department can discuss the course at length with you , There are many options available which can be tailored to suit you. Come and see us if you enjoy working with aesthetic ideas or if you simply enjoy drawing and painting.



Art and Design Advanced subsidiary and Advanced Level

HANES

Lefel Uwch Gyfranot ac Uwch

Beth fyddaf yn ei ddysgu?

Ar gyfer yr **UG (40% o'r cwrs Lefel A)** byddwch yn astudio dau fodiwl:-

Uned 1—Newidiadau Gwleidyddol a Chrefyddol yn Ewrop 1500-1598—astudiaeth cyfnod lle byddwch yn edrych ar effeithiau a chanlyniadau digwyddiadau ar llywodraeth a chymdeithas yn ystod y cyfnod astudio.

Uned 2—Gwleidyddiaeth a Chymdeithas yng Nghymru a Lloegr 1900-1918—astudiaeth manwl lle byddwch yn edrych mewn manylder ar ystod o faterion ac yn astudio ffynonellau.

Ar gyfer **A2** byddwch yn astudio tri modiwl ychwanegol, sef:-

Uned 3—Canrif yr Americanwyr 1890—1990—astudiaeth ehangder yn astudio newidiadau allweddol yn yr UDA

Uned 4—parhad o Uned 2 yn ffocysu ar 1918—1939

Uned 5—Ymchwiliad Unigol o destun hanesyddol drwy astudio dehongliadau gwahanol

Sut byddaf yn ei ddysgu?

- Trafodaeth dosbarth.
- Darllen.
- Gwyllo ffilmiau a rhaglenni dogfen.
- Dadansoddi a gwerthuso ffynonellau hanesyddol.
- Dehongli gwybodaeth o ddarllen a defnyddio ffynonellau.
- Ymchwilio testunau llosg hanesyddol er mwyn dod i farn a chydbwysedd.

Beth fyddaf ei angen?

- ♦ Diddordeb a brwdfrydedd am hanes a materion hanesyddol.
- ♦ Meddwl ymholgar a'r duedd i ddarllen o amgylch y pwnc.
- ♦ Offer addas ar gyfer gwersi.

Sut byddaf yn cael fy asesu?

Ar y lefel UG, dau arholiad ysgrifenedig, awr a 40 munud yr un ar y meysydd astudio. Mi fydd yr arholiad ar Uned 2 wedi ei selio ar arfarnu a dadansoddi ffynonellau, a'r arholiad ar Uned 1 yn ddau gwestiwn traethawd strwythuredig.

Ar y Lefel A2 ymchwiliad ar destun hanesyddol a gaiff ei asesu'n fewnol ac yn cynnwys 3,000-4,000 o eiriau (Uned 5), yn ogystal a dau arholiad ysgrifenedig awr a 45 munud (Unedau 3 a 4) sy'n cynnwys cwestiynau pen agored.

Beth sydd yn digwydd ar ôl y cwrs yma?

Mae'r cwrs yn sylfaen academaidd dda i rhywun sydd a'i fwrriad ar addysg uwch. Mae hefyd yn gyfle i ddatblygu'r sgiliau gofynnol ym myd gwaith.

Syniadau Gyrfaoedd!

Dilynant i unrhyw radd yn seiliedig ar y Celfyddydau, yn arbennig y Gyfraith, Newyddia-duriaeth, Dysgu/Addysgu

Eisiau gwybod mwy?

Cysylltwch â Mrs Bethan Jones Neu ewch ar wefan CBAC



HISTORY

Advanced Subsidiary and Advanced Level

What will I learn?

At **AS (40% of the A Level)** you will study two modules:-

Unit 1—Political and Religious Change in Europe 1500—1598—a period study looking at how various developments affected government and society.

Unit 2—Politics and Society in Wales and England 1900-1918—an in depth study looking at a range of issues and using sources. .

At **A2** you will study three further modules:-

Unit 3—The American Century 1890 –1990—a Breadth study looking at domestic change and foreign affairs.

Unit 4—a continuation of Unit 2 focussing on the period 1918—1939

Unit 5—an Individual Investigation into a historical interpretation to be decided.



How will I learn it?

- Class discussion
- Reading
- Watching films and documentaries
- Evaluating and analysing historical sources
- Interpreting information from reading and using sources
- Carrying out historical enquiries in order to reach balanced judgements on controversial historical issues

What will I need?

- ♦ An interest and enthusiasm for history and historical issues.
- ♦ An enquiring mind, and the inclination to read around the topics.
- ♦ Suitable equipment for the lessons.

How will I be assessed?

At AS, two written examinations of 1 hour 40 minutes each on the topic areas and involving structured essay questions.

At A2, an internally assessed coursework assignment between 3,000 and 4,000 words (Unit 5), and two written examinations of 1 hour 45 minutes each involving open-ended essay questions.

What happens after this course?

It is a suitable academic foundation for anyone who intends to progress to study at a higher level. It also encompasses the skills required in the world of work.

Career ideas!

Progress to a degree in any Arts based subject, particularly Law, Journalism, Teaching.

Want to know more?

Contact Mrs. Bethan Hughes Jones or visit the WJEC website



DESIGN AND TECHNOLOGY Product Design:

WJEC GCE AS/A Level

Mae'r wybodaeth yma wedi ei chyflwyno trwy gyfrwng y Saesneg oherwydd nid yw'r cwrs ar gael drwy gyfrwng y Gymraeg:
Assessment of this specification will be available in English only.

What will I learn?

- **Principles of designing**
Exploring problems and clarifying tasks, Generating ideas, Developing and communicating design proposals, Planning Manufacture, Product manufacture, Testing and Evaluating...
- **Materials and components**
Paper, card, boards, woods, polymers, metals, alloys, components, composites and laminates.
- **Working properties of materials**
Aesthetic, Functional & Mechanical properties.
- **Hand and commercial processes**
Drawing, computer graphics, typography, 2D/3D modelling and prototyping, CNC machining, production of nets, thermoforming, Finishing processes, Printing processes joining & cutting.
- **Product manufacture**
Scale of production, Systems and control, Quality control in production, Uses of ICT in the manufacture of products, Quality standards & Health and safety procedures in production
- **Design in practice**
The effects of design and technological changes on society, Values issues, Economics of production, Advertising and marketing, Influences on the development of products & the basic principles and application of anthropometrics and ergonomics
- **Modern technologies and materials**
The creation and use by industry of modern and 'smart' materials, the impact of modern technology.

Prior learning & progression?

Students who would benefit most from a GCE in Design and Technology are likely to have a GCSE in Design and Technology at grades A*- B.

How will I learn it/ be assessed?

Grades A, B, C, D, to E.

Candidates who do not achieve the standard required for a grade E will receive a uniform mark.

The course is divided into four units.

Unit 1 & 2 constitutes the AS course with a 50% on each unit (first year).

Unit 1, 2, 3 & 4 constitutes the full A level course.

Unit 1: Knowledge and Understanding of Product Design 2 hour examination.

This paper will assess students' knowledge and understanding of the subject.

The examination includes a mix of structured and extended writing questions assessing learners' knowledge and understanding of technical principles and designing and making principles along with their ability to analyse and evaluate design decisions and wider issues in design and technology.

Unit 2: Product Development Coursework approximately 40 hours

The A3 sketchbook, which should include I.C.T. and sketches is to be submitted on a short 8 page portfolio and a manufactured prototype this should include:

Product Investigation

Product design brief and specification

Generating ideas

Manufacture a prototype

Analysing and evaluating



Unit 3: Further Study of Product Design 2 hour 30 minutes examination.

The examination includes a mix of structured and extended writing questions assessing learners' knowledge and understanding of technical principles and designing and making principles along with their ability to analyse and evaluate design decisions and wider issues in design and technology.

Unit 4: Design and make project approximately 60 hours

This unit is the 'design and make' activity. Students identify a client/user group from which they must design and make a product that meets the original need. A sustained design and make project, based on a brief developed by the candidate, 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. A short portfolio, detailed sketchbook and prototype will be the three assessed outcomes.

What will I need?

A3 Portfolio (flip File), A3 Sketch Book, Drawing Equipment (markers, pencils, bow compass, Set squares, templates, French curves, fine liner, water colours...), A4 level arch file, Internet Access, Text Book...

Websites: www.wjec.co.uk www.design-technology.org www.tep.org.uk www.bsi-global.com www.data.org.uk www.dtonline.org

Textbook: Advanced Design and Technology for Edexcel – Product Design

What happens after this course?

This qualification supports progression into further education, training or employment, such as any appropriate design-related courses as Graphical Design, Engineering, Manufacturing, Architecture, Product Design, Industrial Design...

Career ideas!

Engineer, graphical designer, architect, product designer, web design, presentation/ DTP/ graphical operator, media manager, copywriter, software designer ...

Want to know more?

Contact the heads of faculty: Mrs Ceren Mutembo-Jones or Mrs Cleo Thomas-Jones.



Beth fyddaf yn ei ddysgu?

Mae'r cwrs AS yn gwrs diddorol iawn i'r unigolion sydd â diddordeb mewn systemau TGCh o fewn busnesau, ysgolion, ysbytai ac adref. Mae'r cwrs wedi ei rannu i 2 elfen, sef arholiad ysgrifenedig a darn o waith cwrs.

Sut byddaf yn ei ddysgu?

Bydd rhan fwyaf o'r cwrs yn cael ei ddysgu ar y cyfrifiaduron yn creu dogfennau i brofi dy fod yn medru defnyddio'r fformiwla cywir pan fo angen neu yn gallu dangos pa sgiliau rwyf yn medru ei gwneud.

Beth fyddai ei angen?

Brwdfrydedd yn y pwnc, presenoldeb dda a digon o ymdrech i weithio tu allan amser y gwersi. Os nad wyt yn gweithio tu allan y gwersi, fe all hyn achosi broblem enfawr pan yn cwblhau'r gwaith cwrs. Byddai mynediad i Moodle yr ysgol yn gymorth mawr yn agosach at yr arholiadau.

Sut byddaf yn cael fy asesu?

Bydd dy arholiad di yn cael ei farcio gan CBAC a bydd hyn yn digwydd ar ol arholiad mis Mai. Bydd dy brosiect gwaith cwrs yn cael ei farcio yn fewnol gan yr athrawon.

Beth sydd yn digwydd ar ôl y cwrs yma?

Ar ôl gorffen AS y cam nesaf yw astudio'r pwnc i Lefel A. Mae nifer o bosibiliadau ar ddiwedd y cwrs yma. Gelli di fynd i astudio TG yn y Brifysgol neu Cyfrifiadureg (ond mae rhaid cofio bod y ddau gwrs yma yn gwbl wahanol!).

Syniadau Gyrfaedd!

- Dylunydd tudalennau gwe
- Athro
- Rhaglennydd (Programmer)
- Technegydd TGCh

Eisiau gwybod mwy?

Cysylltwch â Mr Gwyn Anwyl, Ystafell 4-4

Technoleg Gwybodaeth a Chyfathrebu
Lefel Uwch Gyfrannol ac Uwch

Information Technology and Communication

Advanced subsidiary and Advanced Level



What will I learn?

The AS course is a very interesting course to individuals interested in ICT systems within businesses, schools, hospitals and home. The course is divided into two elements, the written exam and a piece of coursework.

How will I learn?

The majority of the course will be taught on the computer to create documents proving that you can use the right formula when needed or can show what skills you can.

What would be required?

Enthusiasm for the subject, the presence of good and sufficient effort to work outside lesson time. If you do not work outside the lessons, this could cause a huge problem when completing coursework. Access to Moodle would be a great help in the school closer to the exams.

How will I be assessed?

Your examination will be marked by WJEC after the May examination coursework will be marked internally by teachers.

What happens after this course?

After finishing AS the next step is to study the subject to A Level. There are a number of possibilities at the end of this course. You can go to study IT or Computer Science at University (but it must be remembered that the two courses here are completely different!).

Career Ideas!

Designer web pages
Professor
Programmer (Programmer)
ICT Technician

Want to know more?

Contact Mr Gwyn Anwyl, Room 4-4

TAU Lefel UG a Lefel A Busnes (Cymru)



Crynodeb o Asesiad

2 Uned ym Mlwyddyn 12 (Cyfleoedd Busnes, Swyddogaethau Busnes) - 40%

2 Uned ym Mlwyddyn 13 (Dadansoddi a Strategaeth Busnes) - 60%



UG (2 Uned) ...Blwyddyn 12

UG Uned 1 - CYFLEOEDD BUSNES

Arholiad Ysgrifenedig: **1 awr 15 munud**

15% o'r cymhwyster - 60 marc

Ateb byr a chwestiynau strwythuredig.

Cyfleoedd busnes, cychwyn busnes, Mentrau Bach a Chanolig eu maint (SMEs) a mathau eraill o sefydliadau busnes a'r marchnadoedd y maent yn gweithredu o'u mewn.

UG Uned 2 - SWYDDOGAETHAU BUSNES

Arholiad Ysgrifenedig: **2 awr**

25% o'r cymhwyster - 80 marc

Cwestiynau ymateb i ddata.

Yn ymdrin â holl gynnwys yr UG.

Lefel A (yr unedau uchod a dwy uned bellach)...Blwyddyn 13

A2 Uned 3 - DADANSODDI A STRATEGAETH BUSNES

Arholiad Ysgrifenedig: **2 awr 15 munud**

30% o'r cymhwyster - 80 marc

Cwestiynau ymateb i ddata a strwythuredig.

Strategaeth busnes a thechnegau dadansoddol a ddefnyddir ym mhroses gwneud penderfyniadau'r busnes.

A2 Uned 4 - BUSNES MEWN BYD CYFNEWIDIOL

Arholiad Ysgrifenedig: **2 awr 15 munud**

30% o'r cymhwyster - 80 marc

Astudiaeth achos ac un traethawd o ddewis o dri.

Yn ymdrin â holl gynnwys y Lefel A.

Eisiau Gwybod mwy?

Am fwy o wybodaeth ewch i weld Mr Mark Williams

TAU Lefel UG a Lefel A Busnes (Cymru)

GCE AS and A LEVEL Business (Wales)



Assessment Summary

2 Units in Year 12 (Business Opportunities, Business Functions) – 40%

2 Units in Year 13 (Business Analysis & Strategy) – 60%

AS (2 Units)....Year 12

AS Unit 1 - BUSINESS OPPORTUNITIES

Written examination: **1hr 15minutes**

15% of qualification – 60marks

Short answer and structured questions.

Business opportunities, business start-ups, SMEs and other types of business organisations and the markets in which they operate.

AS Unit 2 - BUSINESS FUNCTIONS

Written examination: **2hrs**

25% of qualification – 80marks

Data response questions.

Covers the full AS content.

A Level (the above units plus a further 2 units)....Year 13

A2 Unit 3 – BUSINESS ANALYSIS AND STRATEGY

Written examination: **2hrs 15minutes**

30% of qualification – 80marks

Data response plus structured questions.

Business strategy and analytical techniques used in the business decision-making process.

A2 Unit 4 – BUSINESS IN A CHANGING WORLD

Written examination: **2hrs 15minutes**

30% of qualification – 80marks

Case study plus one essay from a choice of three.

Covers the full A level content.

Want to know more?

For further information see Mr Mark Williams

Uwch Gyfrannol a Safon Uwch Consortiwm Ynys Môn

Advanced Subsidiary and Advanced Level -

Anglesey Consortium group



Gwefan i weld a llawrlwytho Prospectws y Consortiwm: / *Webpage to download the Consortium Prospectus:*
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