ECAD5010C Ymchwilio i'r Dysgu: beth, sut a pham ydw i'n addysgu?

ECAD5010 Researching the learning: what, how and why am I teaching?

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Sesiwn - Session 1

Yn y sesiwn yma byddwn yn edrych ar:
In this session we will look at:

- Nodau ac amcanion y modwl - Module aims and objectives
- Manyleb Asesu - Assessment Specification
- Ymagweddau ymchwil - Research dispositions
- Pam ymchwilio’r addysgu a’r dysgu - Why research teaching and learning

ECAD5010- Module Aims and Objectives

Module Handbook - Moodle *

AIMS

- To engage student-teachers in developing the disposition of being a skilled researcher through applying, evaluating and sharing a range of research tools that can generate evidence from professional practice.

- To understand different perspectives, approaches and theoretical frameworks within research, and to develop a critical stance in relation to these perspectives.

ECAD5010C- Nodau ac Amcanion y Modwl

NODAU   Llawlyfr Modwl- Moodle *

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Annog darpar-athrawon i ymwneud â datblygu'r nodwedd o fod yn ymchwilydd medrus trwy gymhwyso, gwerthuso a rhannu ystod o offer ymchwil sy'n gallu cynhyrchu tystiolaeth o arfer proffesiynol.

Deall gwahanol bersbectifau, dulliau a fframweithiau damcaniaethol o fewn ymchwil, a datblygu safbwynt beirniadol mewn perthynas â'r persbectifau hyn.

ECAD5010 – Module OUTCOMES

Upon the successful completion of this module, the student-teacher should be able to demonstrate the ability to:

Develop increasing knowledge and skill in selecting and using a range of research tools to generate data and evidence which can inform personal practice

Justify the application of research tools in the classroom to gain insight into an aspect of teaching and learning

Develop the disposition of being a skilled researcher through careful analysis and evaluation of data and relate this to personal practice

Show an increased understanding that education is a contested terrain and that different perspectives can co-exist in research

Secure the dispositions of being an ethical researcher by identifying ethical practice in the complex learning environment of the classroom.

ECAD5010C – Deilliannau Dysgu

Ar ôl cwblhau'r modwl hwn yn llwyddiannus, dylai'r darpar athrawon allu dangos y gallu i:

Datblygu gwybodaeth a sgiliau cynyddol wrth ddewis a defnyddio ystod o offer ymchwil i gynhyrchu data a thystiolaeth a all lywio arfer personol

Cyfiawnhau cymhwyso offer ymchwil yn yr ystafell ddosbarth i gael dirnadaeth o agwedd ar ddysgu ac addysgu

Datblygu'r nodwedd o fod yn ymchwilydd medrus trwy ddadansoddi a gwerthuso data'n ofalus a chysylltu hyn ag arfer personol

Dangos dealltwriaeth gynyddol fod addysg yn faes dadleuol ac y gall gwahanol berspectifau gydfodoli mewn ymchwil

Sirchau nodweddion bod yn ymchwilydd moesegol trwy adnabod arfer moesegol yn amgylchedd dysgu cymhleth yr ystafell ddosbarth.

Manyleb Aseiniad ECAD6010C

Aseiniad ysgrifenedig (cyfwerth â 4000 o eiriau)

Dylunio a chynnal astudiaeth ymchwil ar raddfa fach, a gwerthuso'n feirniadol effaith offer ymchwil a ddewiswyd, a'r data, ar y dysgwr ac ar eich ymarfer proffesiynol.

Dyddiad cyflwyno: 19.02.24

Turnitin cyn 23:59

- A written assignment (equivalent to 4000 words)

- ***Design and conduct a small-scale research study, and critically evaluate the impact of chosen research tools and data/findings on the learner and on your professional practice***.

➢ Submission date: 19.02.24

➢ Turnitin before 23:59

Dylunio a Chynnal Astudiaeth Ymchwi

Cyflwyniad
(CY)

→

Adolygiad
Llenyddiaeth

→

Methodoleg
(Offer/Moeseg)

→

**Diwrnod
Ymchwil

(casglu'r data)

→

Canlyniadau a
thrafodaeth
(dadansoddi)

→

Casgliad
(goblygiadau)

Design & Conduct a Small-Scale Research Study…

Introduction
(RQ)
→
Literature Review
→
Methodology
(Research tools, ethics form)
→

*Research Day
(data collection)
→
Findings & Discussion
(data analysis)
→
Conclusions
(implications)

Trosolwg - Overview

Dyddiad-Date	Cynnwys -Content
07.11.23	Cyflwyniad byr cyn PAP2 – Brief introduction before PTE2
09.01.24	S1. Cyflwyniad i'r modwl/aseiniad – Introduction to module/assignment spec S2. Cyflwyniad i Adolygiad Llenyddiaeth – Introduction to Literature Review
11.01.24	S3. Ymagwedd Mosaig – Mosaic Approach S4. Cyfweliadau – Interviews S5. Holiaduron - Questionnaires
16.01.24	S6. Proses Dylunio Ymchwil – Research Design Process S7. Cymhwyso'r broses – Applying the process
18.01.24	S8. Creu CY a dylunio offer ymchwil – Designing your RQ & Research Tools S9. Moeseg – Ethics S10. Ffurflen Foeseg – Ethics Form
23.01.24	S11 & S12 Paratoi ar gyfer Diwrnod Ymchwil – Prep for Research Day
24.01.24	Diwrnod Ymchwil – Ysgol PAP2 – Research Day in PTE2 school
25.01.24	S13. Dadansoddi Data – Data analysis S14. Camau nesaf – Next steps
08.02.24	S15. Gweithdy Cefnogi Aseiniad – Assignment Workshop

Yr Athrofa Research Dispositions

Being sceptical
- Understand empirical evidence in contested fields
- Being aware of political, economic and social drivers for 'evidence'

Being ethical
- Knowing and using ethical principles of research
- Understanding positionality

Being a skilled researcher
- Understanding qualitative and quantitative methods
- Be able to construct an argument based on evidence
- Employing critical reading skills

Being part of an inquiring profession
- Proactively contributing to a range of audiences
- Actively engaging with the inquiry and findings of others

Agweddau Ymchwil Yr Athrofa

Bod yn sgeptigol
- Deall tystiolaeth empirig mewn meysydd a amheuir
- Bod yn ymwybodol o yrwyr gwleidyddol, economaidd a chymdeithasol ar gyfer 'tystiolaeth'

Bod yn foesegol
- Gwybod a defnyddio egwyddorion moesegol ymchwil
- Deall safleoldeb (positionality)

Bod yn ymchwilydd crefftus
- Deall dulliau ansoddol a meintiol
- Gallu llunio dadl yn seiliedig ar dystiolaeth
- Defnyddio sgiliau darllen beirniadol

Bod yn rhan o broffesiwn ymholgar
- Cyfrannu'n rhagweithiol at ystod o gynulleidfaoedd
- Cymryd rhan weithredol mewn ymholiadau a chanfyddiadau pobl eraill

Beth yw ymchwil? Pam ymchwilio?

What is research? Why research?

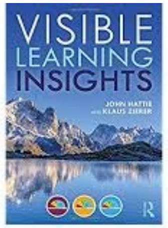
Dyfodol Llwyddiannus: Addysgeg gadarn "...mae'n gofyn am athrawon o ansawdd uchel sydd â dealltwriaeth gadarn o'r 'pam' a 'sut' o addysgu yn ogystal â'r 'beth'." (Donaldson, 2015, t.71)
Successful Futures: *Sound pedagogy "…requires high-quality teachers with a sound understanding of the 'why' and 'how' of teaching as well as the 'what'."* (Donaldson, 2015, p.71

Beth yw ymchwil addysgol?
What is educational research?

The standard for **Professional Learning**... taking effective pedagogy deeper. The teacher consistently extends knowledge, skills and understanding and can show how reflection and openness to challenge and support informs professional learning to progressively develop pedagogy

https://www.youtube.com/watch?v=5ucLcy_3jZo

Y safon Dysgu Proffesiynol... datblygu addysgeg ymhellach Mae'r athro yn cynyddu ei wybodaeth, ei sgiliau a'i ddealltwriaeth yn gyson a gall ddangos sut mae myfyrio a bod yn barod i gael ei herio a'i gefnogi yn gallu cyfrannu at ddysgu proffesiynol er mwyn datblygu addysgeg yn raddol.



https://www.youtube.com/watch?v=Ilsafy6F7BI

Ysgolion yn cynnal ymchwil…

Schools conducting research…

https://hwb.gov.wales/datblygiad-proffesiynol/prosiect-ymholi-proffesiynol-cenedlaethol

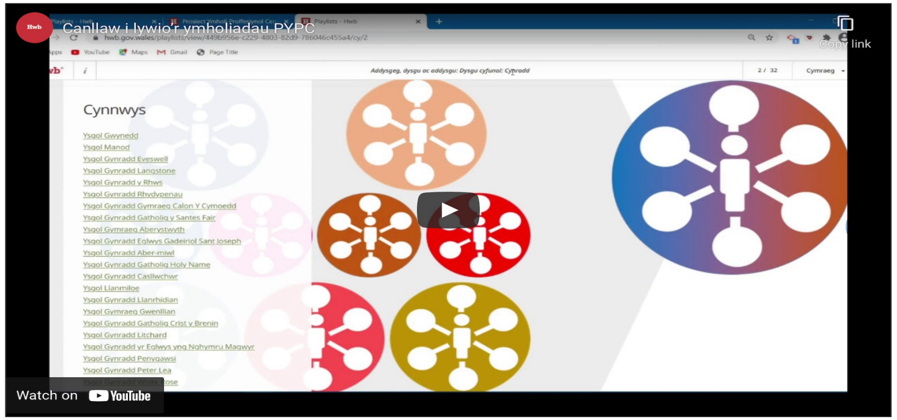
https://hwb.gov.wales/professional-development/national-professional-enquiry-project

Prosiect Ymholi Proffesiynol Cenedlaethol

Rhan o **Datblygiad proffesiynol**

Canllaw i lywio'r ymholiadau PYPC

Edrychwch ar y fideo byr hwn yn ymddangos y ffordd gyflymaf i lywio'r ymholiadau ysgolion PYPC.



Trosolwg

Fel rhan o'r Dull Cenedlaethol ar gyfer Dysgu Proffesiynol ac i gefnogi datblygiad y cwricwlwm ysgol newydd, mae Llywodraeth Cymru yn ariannu consortia rhanbarthol a thri phartner o'r Sefydliadau Addysg Uwch (Prifysgol Bangor, Prifysgol Metropolitan Caerdydd a Phrifysgol Cymru y Drindod Dewi Sant) i ddatblygu rhaglen genedlaethol ymholiad proffesiynol athrawon.

Pwrpas

Mae'r rhaglen hon yn cefnogi rhwydwaith cynyddol o ysgolion i ddatblygu ystod o sgiliau ymholi trwy arwain ymholiadau yn eu lleoliad eu hunain i archwilio gofynion dysgu proffesiynol ar gyfer y cwricwlwm newydd. Yn dilyn cylch ymholiadau 20/21, bydd yr ysgolion ymholi arweiniol hyn yn barod i gefnogi'r rhwydwaith ehangach o ysgolion i ddechrau datblygu

National professional enquiry project

Part of **Professional development**

Guide to navigating the NPEP Enquiries

Please view this short video demonstrating the quickest way to navigate the NPEP school enquiries.

Overview

As part of the National Approach to Professional Learning, the Professional Learning Journey and to support the development of the new school curriculum, the Welsh Government is working with regional consortia and higher education institution (HEI) partners to develop a national programme of teacher professional enquiry.

Purpose

This programme is supporting a growing network of schools to develop a range of enquiry skills by leading enquiries in their own setting to explore professional learning requirements for the new curriculum. Following the 20/21 enquiry cycle, these lead enquiry schools will be equipped to support the wider schools network to begin to develop as professional enquiriers in readiness for 2022

Cwestiwn Ymchwil a Methodoleg

Research Question & Methodology

- Ysgol Gynradd Aberteifi
- Cadoxton Primary School
- Ysgol Gynradd Casnewydd
- St Phillip Evans Primary School
- Pontarddulais Primary School

Cyfeiriadau - References

- Austin, R. (2016) *Researching Primary Education*. London: Sage. (CHAPTER 2 –'What is evidence-based practice and why does it matter?' Copy on Moodle – Session 1 notes)*
- Yr Athrofa Research Dispositions – PowerPoint on Moodle- Session1
- Ymagweddau Ymchwil Yr Athrofa – Pwerbwynt ar Moodle – Sesiwn 1
- Beth yw 'Ymchwil Addysgol'? / What is 'educational research'? https://www.youtube.com/watch?v=5ucLcy_3jZo
- PYPC/NPEP https://hwb.gov.wales/professional-development/national-professional-enquiry-project

Any questions?

Unrhyw gwestiynau?