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

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

Prifysgol Cymru
Y Drindod Dewi Sant
University of Wales
Trinity Saint David

Yr Athrofa
Addysg a'r Dyniaethau
Education and Humanities



Sesiwn/Session 1

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

- Nodau ac amcanion y modwl
- Manyleb Asesu
- Agweddau ymchwil
- Beth yw ymchwil?
- Pam ymchwilio?

- Module aims and objectives
- Assessment spec.
- Research dispositions
- What is research?
- Why research?

Nodau ac amcanion y modwl
Module aims and objectives

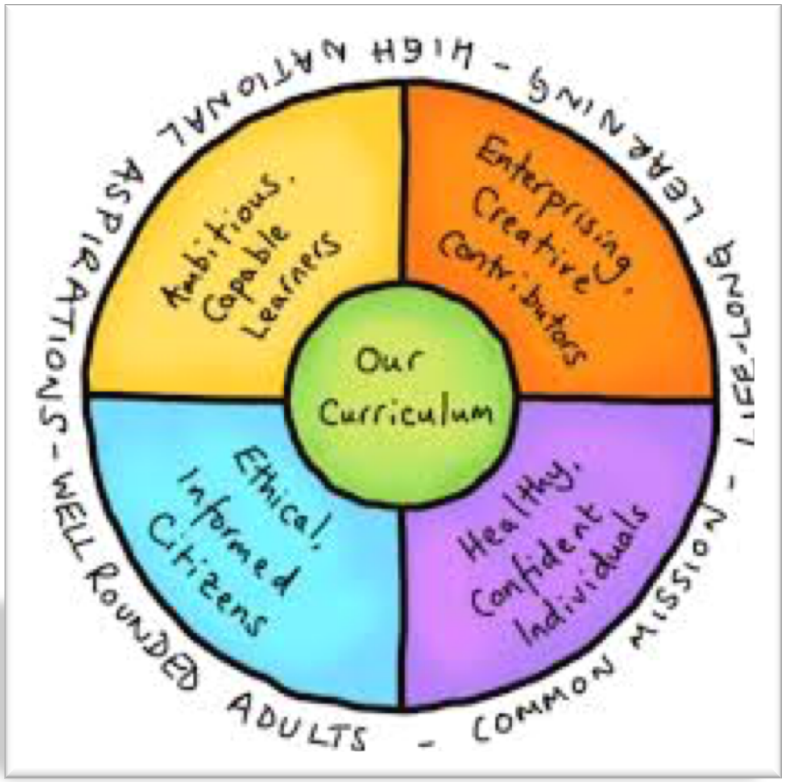
- Llawlyfr Modwl ECAD5010C
- Moodle

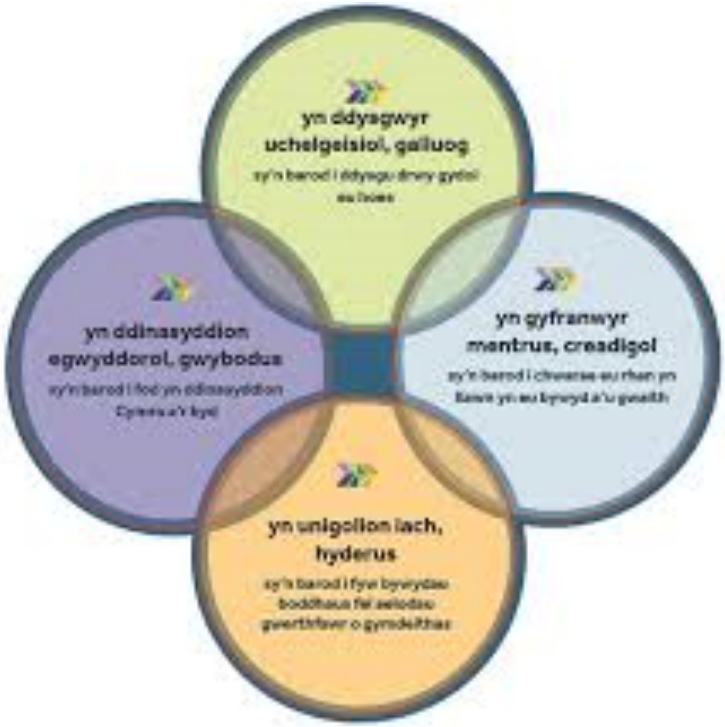
- ECAD5010 Module Handbook
- Moodle



Four Purposes of the Curriculum for Wales

Pedwar Diben y Cwricwlwm i Gymru





Ambitious capable learners Dysgwyr uchelgeisiol galluog

Aseiniad/Assignment

TEITL:

- Aseinad 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: 19/03/20
- Turnitin 11.59 p.m.

TITLE:

- A written assignment (4000 words equivalent)
- 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: 19/03/20
- Turnitin 11.59 p.m.

Nodweddion Ymchwil

Research Dispositions

Bod yn ymchwilydd medrus

Being a skilled researcher

Bod yn sgeptigol

Being sceptical

Bod yn foesegol

Being ethical

Being part of an inquiring profession

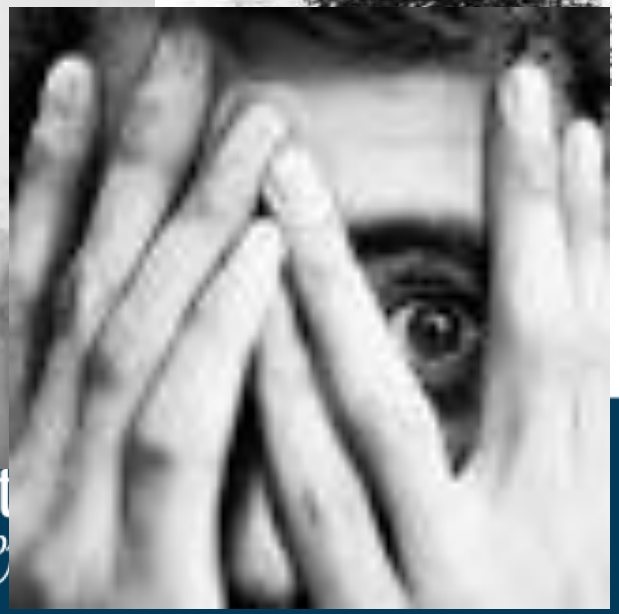
Bod yn rhan o broffeiswn ymholgar

Ymchwil – eich meddyliau cyntaf?
Research – your first thoughts?











Ymchwil – eich meddyliau cyntaf?
Research – your first thoughts?











Learning
to Research
Researching
to Learn

Beth yw ymchwil?

Ymchwil yw gwaith sy'n cynnwys astudio rhywbeth a cheisio darganfod ffeithiau amdano.
Geiriadur Collins

Astudiaeth fanwl o bwnc, yn enwedig er mwyn darganfod gwybodaeth (newydd) neu gyrraedd dealltwriaeth (newydd)
Geiriadur Caergrawnt

Ymchwilio i ddeunyddiau a ffynonellau a'u hastudio'n systematig er mwyn sefydlu ffeithiau a dod i gasgliadau newydd
Geiriaduron Rhydychen

Ymchwilio neu arbrofi sy'n anelu at ddarganfod a dehongli ffeithiau, adolygu damcaniaethau neu gyfreithiau a dderbynnir yng ngoleuni ffeithiau newydd, neu gymhwyso damcaniaethau neu gyfreithiau newydd neu ddiwygiedig o'r fath yn ymarferol.
Merriam-Webster Dictionary

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Merriam-Webster Dictionary

What is research?

Research is work that involves studying something and trying to discover facts about it.
Collins Dictionary

a detailed study of a subject, especially in order to discover (new) information or reach a (new) understanding
Cambridge Dictionary

the systematic investigation into and study of materials and sources in order to establish facts and reach new conclusions.
Oxford Dictionaries

investigation or experimentation aimed at the discovery and interpretation of facts, revision of accepted theories or laws in the light of new facts, or practical application of such new or revised theories or laws
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Beth yw ymchwil addysgol?

What is educational research?

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

Pam dylai athrawon ymchwilio?
Why should teachers 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'. "

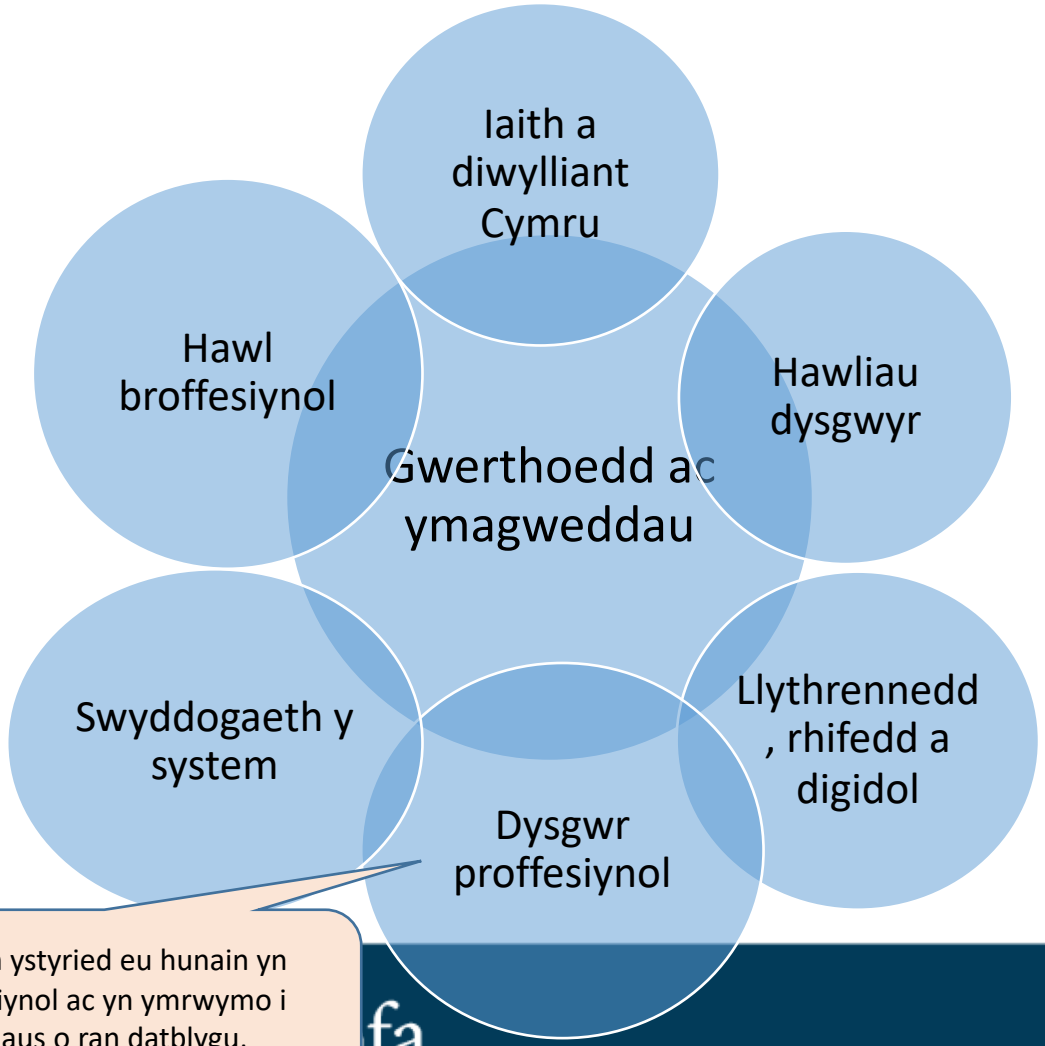
(Donaldson, 2015, t.71)

Successful Futures:

Sound pedagogy "…requires high-quality teachers with a sound understanding of the 'why' and 'how' of teaching as well as the 'what'."

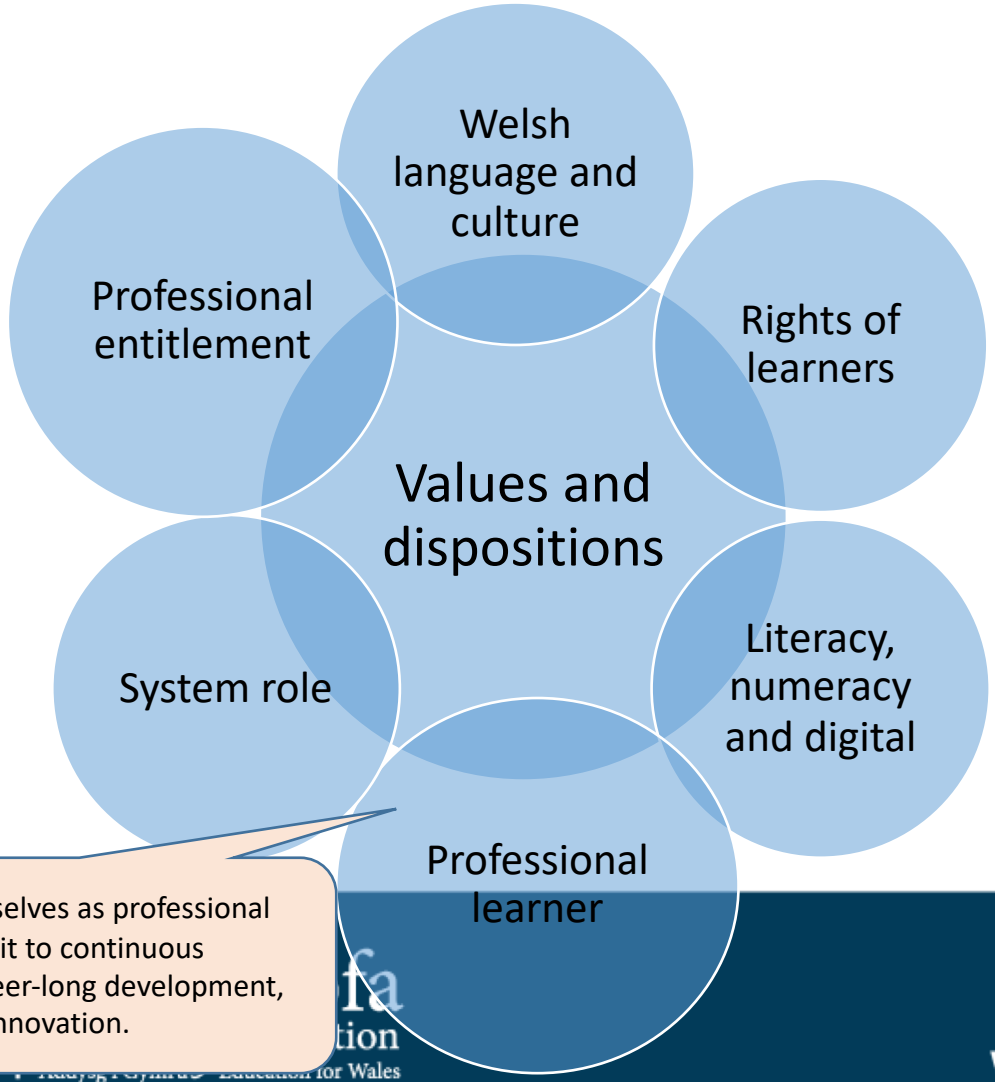
(Donaldson, 2015, p.71)

Pam y dylai athrawon ymchwilio? - Safonau proffesiynol newydd



Mae athrawon yn ystyried eu hunain yn ddysgwyr proffesiynol ac yn ymrwymo i ymgysylltiad parhaus o ran datblygu, cydweithredu ac arloesi ar hyd gyrfa.

Why should teachers research? - New Professional Standards



Teachers see themselves as professional learners and commit to continuous engagement in career-long development, collaboration and innovation.

Dysgu proffesiynol

Darllen ehangach a chanfyddiadau ymchwil

Ceir ymgysylltiad strwythuredig mewn cymuned ymchwil weithredu a thystiolaeth o arfer wedi'i lywio gan waith darllen ehangach a chanfyddiadau ymchwil ar raddfa genedlaethol a rhyngwladol.

Mae'r athro yn gwneud penderfyniadau rhesymegol o ran ei addysgeg yn seiliedig ar ganfyddiadau darllen ac ymchwil perthnasol.

SAC

Addysgu

Professional learning

Wider reading and research findings

There is structured engagement in an action research community and evidence of practice informed by wider reading and research findings on a national and international scale.

The teacher makes reasoned decisions in terms of their pedagogy based upon relevant reading and research findings.

QTS

Teaching

Pam y dylai athrawon ymchwilio? - Disgwyliadau Llywodraeth Cymru

Why should teachers research? - Welsh Government Expectations

Y dull cenedlaethol newydd o ddysgu proffesiynol ar gyfer ymarferwyr addysg yng Nghymru

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

The new national approach to professional learning for education practitioners in Wales

Pam y dylai athrawon ymchwilio?
Why should teachers research?

"…the biggest effects on student learning occur when teachers become learners of their own teaching."

(Hattie, 2009, p.22)

Hattie, J. (2009) *Visible learning: A synthesis of over 800 meta-analyses relating to achievement*. London: Routledge.

Pam rydych chi'n ymchwilio?

Why are you researching?



https://news.nswtf.org.au/blog/news/2019/10/new-mathematics-standard-aspiring-primary-teachers

THEMÂU POBLOGAIDD MEWN ADDYSG
HOT TOPICS IN EDUCATION



Ffynonellau ymchwil

Research sources

- Papurau Newydd /Newspapers
- Blogiau / Blogs
- Erthyglau /Journal articles
- Gwefannau / Websites



http://www.stockphotos.ro/open-book-education-icons-image39712175.html

Any questions?

Unrhyw gwestiynau?



Cyfeirnodau /References

Llawlyfr Modwl ECAD5010/C Module Handbook

Manyleb Asesu ECAD5010/C Assessment Specification

* MOODLE*