



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

ECCE4001

Pwy ydw i?: Archwilio Hunaniaeth Broffesiynol

ECCE4001

Who Am I?: Exploring Professional Identity

Thema 6:

Thema 6: Defnydd Diogel a Moesegol o AI
Cynhyrchiol

Theme 6:

Theme 6: Safe and Ethical Use of Generative AI

Trawsnewid Addysg, Trawsnewid Bywydau

Transforming Education, Transforming Lives

Gweithgaredd Cyn-Thema Astudiaeth dan Arweiniad Guided Study Pre-Theme Activity



(Sterne, 2021)

Cynnwys y Thema Theme Content

- Beth yw AI Cynhyrchiol?
- AI Cynhyrchiol mewn Addysg
- AI Cynhyrchiol mewn Addysg Uwch
- AI Cynhyrchiol wrth Asesu
- What is Generative AI?
- Generative AI in Education
- Generative AI in Higher Education
- Generative AI in Assessment

Thema Olaf

Last Theme

- Yn y Thema olaf, *Meddwl Beirniadol ac Ymarfer Proffesiynol*, defnyddiwyd CoPilot i'n helpu ni i werthuso ffynhonnell wybodaeth bosibl.
- In the last Theme, *Critical Thinking and Professional Practice* we used CoPilot to help us to evaluate a potential source of information.

Pwynt Trafod

Beth yw CoPilot?

Discussion Point

What is CoPilot?

Beth yw (AI) Cynhyrchiol? What is Generative (AI)?



(BBC Ideas, 2024)

Deallusrwydd Artiffisial (AI) Cynhyrchiol

Generative Artificial Intelligence (AI)

- Hyfforddi cynhyrchwyr testun AI megis ChatGPT ar swm mawr o ddata wedi'i hel o'r rhyngwrdd, ac maen nhw'n gweithio trwy ragddweud y gair nesaf mewn dilyniant
- Gall pob cynhyrchydd testun AI - ac yn aml dyma a wnân nhw - gynhyrchu gwybodaeth **gredadwy ond ffug**, ac yn ôl eu natur byddan nhw'n cynhyrchu allbwn rhagfarnllyd o safbwynt diwylliannol a gwleidyddol
- 'AI text generators such as ChatGPT are trained on a large amount of data scraped from the internet, and work by predicting the next word in a sequence'
- 'All AI text generators can - and often - do produce **plausible but false** information, and by their nature will produce output that is culturally and politically biased'

([Webb, 2024, no page](#))

Deallusrwydd Artiffisial (AI) Cynhyrchiol

Generative Artificial Intelligence (AI)

- Gall llawer o offer AI megis ChatGPT, Microsoft Copilot a Google Gemini gael mynediad at wybodaeth o'r rhyngwrwd, felly daw atebion o'r model AI yntau a'r rhyngwrwd
- Hyfforddwyr cynhyrchwyr delweddu megis Midjourney a DALL-E mewn ffordd debyg, ar ddata wedi'i hel o'r rhyngwrwd.
- 'Many AI tools such as ChatGPT, Microsoft **Copilot** and Google Gemini can access information from the internet, so answers come from both the AI model itself and the internet'
- 'Image generators such as Midjourney and DALL-E are trained in a similar way, on data scraped from the internet'.

([Webb, 2024, no page](#))

Deallusrwydd Artiffisial (AI) Cynhyrchiol

Generative Artificial Intelligence (AI)

- Mae llawer o raglenni eraill wrthi'n cael ei datblygu sy'n defnyddio technoleg AI cynhyrchiol
- Mae hwn yn ofod sy'n symud yn gyflym, ac mae'r wybodaeth yma yn debygol o heneiddio'n gyflym!
- 'Many other applications are being developed that make use of generative AI technology'
- 'This is a fast-moving space, and the information here is likely to age quickly! '

([Webb, 2024, no page](#))

AI Cynhyrchiol mewn Addysg

Generative AI in Education

- O'i defnyddio'n ddiogel, yn effeithiol, gall AI gefnogi pob plentyn a pherson ifanc, ni waeth beth fo'u cefndir, i gyflawni yn yr ysgol a'r coleg a datblygu'r wybodaeth a'r sgiliau y mae eu hangen arnyn nhw ar gyfer bywyd.
- 'If used safely, effectively [...], AI can support every child and young person, regardless of their background, to achieve at school and college and develop the knowledge and skills they need for life'.

(Department for Education, 2025)

AI Cynhyrchiol mewn Addysg

Generative AI in Education

- Mae AI cynhyrchiol wedi dangos y gall helpu'r gweithlu addysg trwy leihau rhai o'r beichiau gweinyddol y mae athrawon, staff ac arweinwyr ysgolion sy'n gweithio'n galed yn eu hwynebu yn eu rolau o ddydd i ddydd.
- 'Generative AI has demonstrated that it can help the education workforce by reducing some of the administrative burdens that hard-working teachers, staff and school leaders face in their day-to-day roles.'

(Department for Education, 2025)

AI Cynhyrchiol mewn Addysg

Generative AI in Education

- Mae tystiolaeth yn dal i ddod i'r amlwg ar fanteision a risgiau disgyblion a myfyrwyr sy'n defnyddio AI cynhyrchiol eu hunain. Byddwn ni'n parhau i weithio gyda'r sector addysg i ddatblygu dealltwriaeth o achosion defnydd effeithiol a diogel.
- 'Evidence is still emerging on the benefits and risks of pupils and students using generative AI themselves. We will continue to work with the education sector to develop understanding of effective and safe use cases'.

(Department for Education, 2025)

AI Cynhyrchiol mewn Addysg

Generative AI in Education

- Ledled Cymru, mae ysgolion yn archwilio sut y gall deallusrwydd artiffisial (AI) cynhyrchiol gefnogi addysgu, dysgu a gwella ysgolion.
- Wrth i'r dechnoleg hon sy'n symud yn gyflym ddod yn amlycach yn ein bywydau pob dydd, mae ein dull cenedlaethol yn canolbwyntio ar un flaenoriaeth glir: helpu dysgwyr ac ymarferwyr i ddefnyddio AI yn hyderus, yn ddiogel ac yn foesebol.
- 'Across Wales, schools are exploring how generative artificial intelligence (AI) can support teaching, learning and school improvement'.
- 'As this fast-moving technology becomes more prominent in our daily lives, our national approach is focused on one clear priority: helping learners and practitioners use AI confidently, safely and ethically'.

(Welsh Government, 2026)

AI Cynhyrchiol mewn Addysg

Generative AI in Education

- Estyn yw arolygiaeth addysg Cymru
- Yn ogystal ag arolygu ysgolion a lleoliadau, maen nhw hefyd yn darparu cymorth ar gyfer gwella ansawdd
- Un ffordd o wneud hyn yw trwy Adroddiadau Thematig
- Estyn are the education inspectorate for Wales
- As well as Inspecting schools and settings they also provide support for quality improvement
- One way that they do this is via Thematic Reports

AI Cynhyrchiol mewn Addysg

Generative AI in Education

- Yn ddiweddar, maent wedi cynhyrchu adroddiad o'r enw *'Oes Newydd: Sut mae Deallusrwydd Artiffisial (AI) yn Cefnogi Addysgu a Dysgu'* (Estyn, 2025)
- They have recently produced a report entitled *'A New Era: How Artificial Intelligence (AI) is Supporting Teaching and Learning'* (Estyn, 2025)

(Estyn, 2025)

AI Cynhyrchiol mewn Addysg

Generative AI in Education

- Y canfyddiadau allweddol yw:
- Lleihau llwyth gwaith: Gall offer AI arbed amser sylweddol wrth gynllunio gwersi, creu adnoddau a llunio adroddiadau.
- Cefnogi dysgu sydd wedi'i teilwra: i athrawon roedd AI yn ddefnyddiol i ddiwallu anghenion amrywiol dysgwyr, gan gynnwys y rhai sydd â phroffiliau dysgu cymhleth.
- Key findings are:
- Reducing workload: AI tools can save significant time in lesson planning, resource creation and report writing.
- Supporting personalised learning: teachers found AI helpful for meeting diverse learner needs, including those with complex learning profiles.

(Estyn, 2025)

AI Cynhyrchiol mewn Addysg

Generative AI in Education

- Y canfyddiadau allweddol yw:
- Bod addysgeg yn bwysig: digwyddodd y defnydd mwyaf effeithiol o AI lle roedd ysgolion yn ei integreiddio ag egwyddorion addysgeg cryf.
- Camau cynnar mabwysiadu: mae llawer o ysgolion yn dal i arbrofi gydag AI ac mae angen arweiniad pellach a dysgu proffesiynol strwythuredig.
- Key findings are:
- Pedagogy matters: the most effective use of AI happened where schools integrated it with strong pedagogical principles.
- Early stages of adoption: many schools are still experimenting with AI and need further guidance and structured professional learning.

(Estyn, 2025)

AI mewn Addysg Uwch

AI in Higher Education

- O ran Addysg Uwch mae dwy ffynhonnell allweddol o wybodaeth ynglŷn â safonau ac ansawdd
- MEDR – y Comisiwn Addysg ac Ymchwil Trydyddol(MEDR, 2026a)
- ASA – yr Asiantaeth Sicrhau Ansawdd ar gyfer Addysg Uwch
- In terms of Higher Education there are two key sources of information regarding standards and quality
- MEDR – the Commission for Tertiary Education and Research (MEDR, 2026a)
- QAA – the Quality Assurance Agency for Higher Education

MEDR

- Mae addysg, hyfforddiant, ymchwil ac arloesi yn chwarae rôl ganolog wrth gyfrannu at ddatblygiad economi gynaliadwy ac arloesol yng Nghymru.
- Globaleiddio, technoleg, awtomeiddio, **deallusrwydd artiffisial**, newid yn yr hinsawdd – rhaid i ddatblygu gwybodaeth a sgiliau ddilyn hynt anghenion byd sy'n newid yn gyflym.
- Education, training, research and innovation play a central role in contributing to the development of a sustainable and innovative economy in Wales.
- Globalization, technology, automation, **artificial intelligence**, climate change – knowledge and skills development must keep pace with the needs of a rapidly changing world.

(MEDR, 2026b, no page)

ASA QAA

- Mae'r cynnydd cyflym o feddalwedd Deallusrwydd Artiffisial Cynhyrchiol... wedi goblygiadau pellgyrhaeddol i addysg uwch
- Dylai cyrsiau alluogi myfyrwyr, erbyn iddyn nhw raddio, i gael y sgiliau a'r wybodaeth i ddefnyddio **Deallusrwydd Artiffisial Cynhyrchiol** yn foesegol ac yn effeithiol i gefnogi eu hysgrifennu academaidd.
- 'The rapid rise of **Generative Artificial Intelligence** software... has far-reaching implications for higher education'
- Courses should...' enable students, by the time they graduate, to have the skills and knowledge to use **Generative Artificial Intelligence** ethically and effectively to support their academic writing.

(QAA, 2023, no page)

AI mewn Asesu AI in Assessment

- Yng ngoleuni'r datganiadau hyn a phwysigrwydd cynyddol Gen AI, mae PCYDDS wedi cynhyrchu canllawiau ar AI mewn Asesu
- Dylai fod gan bob myfyriwr gopi o hyn a chyfeirio ato yn rheolaidd.
- In the light of these statements and the growing importance of Gen AI, the UWTSD has produced guidance on AI in Assessment
- All students should have a copy of this and to refer to it regularly.

AI wrth Aesu AI in Assessment



(UWTSD, 2025)

AI mewn Asesu

- Mae'r canllawiau yn nodi rhai defnyddiau ar AI Cynhyrchiol a ganiateir trwy gydol eich astudiaethau (PCYDDS, 2005, t.6)
- Nodir defnyddiau eraill a ganiateir ym mriff yr Aseiniad ar gyfer Modylau penodol
- **Rhaid** dilyn y canllawiau hyn ac maen nhw'n berthnasol i bob myfyriwr ar bob rhaglen

AI in Assessment

- The guidance sets out some uses of Gen AI that are allowable throughout your studies (UWTSD, 2005, p.6)
- Other allowed uses will be specified in the Assignment briefing for specific Modules
- These guidelines **must** be followed and apply to all students on all programmes

Sesiwn Infoskills Infoskills session

- Gwnewch yn siŵr eich bod wedi cwblhau uned Infoskills y Drindod Dewi Sant ar Ddeallusrwydd Artiffisial cyn y sesiwn nesaf:
- [Teilsen: AI Cynhyrchiol | Llyfrgell Infoskills | Hafan](#)
- Ensure that you have completed the UWTSD LLR's Infoskills unit on Artificial Intelligence before the next session:
- [Tile: Generative AI | Library Infoskills | Home](#)



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