

Archwilio Sut y Gall Technolegau Digidol Wella Profiad Prentisiaid o ran Dysgu ac Aesu

Exploring How Digital Technologies Can Enhance the Learning and Assessment Experience of Apprentices

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Amlinelliad y sesiwn

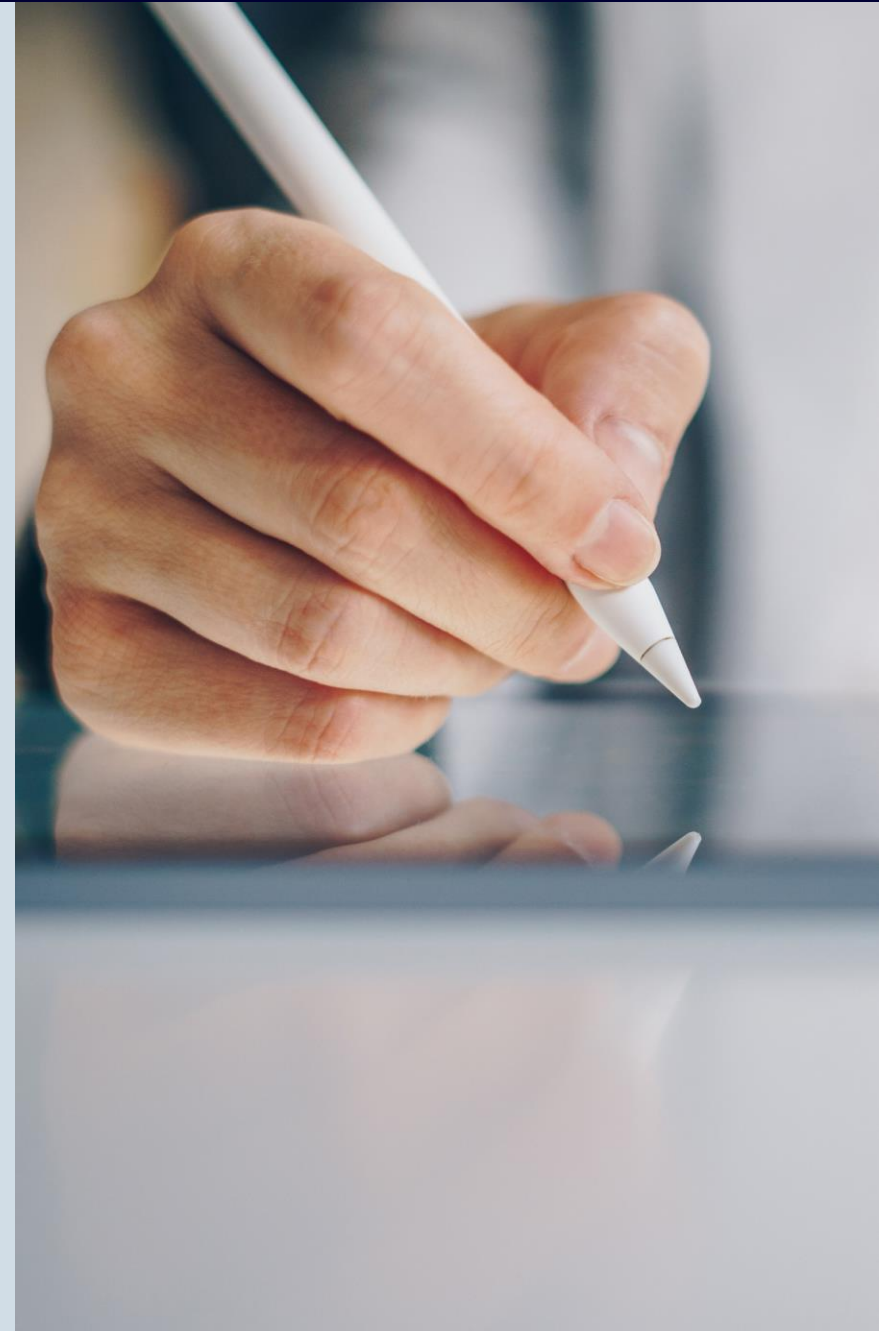
Bydd y gweithdy hwn yn ystyried:

- rôl technolegau digidol mewn cymwysterau cenedlaethol newydd
- datganiad safbwynt Cymwysterau Cymru ar ddeallusrwydd artiffisial
- Offer AI a chyflwyno cymwysterau ac asesiadau

Session outline

This workshop will consider:

- the role of digital technologies in national qualifications
- Qualifications Wales' position statement on artificial intelligence
- AI tools and the delivery of qualifications and assessments

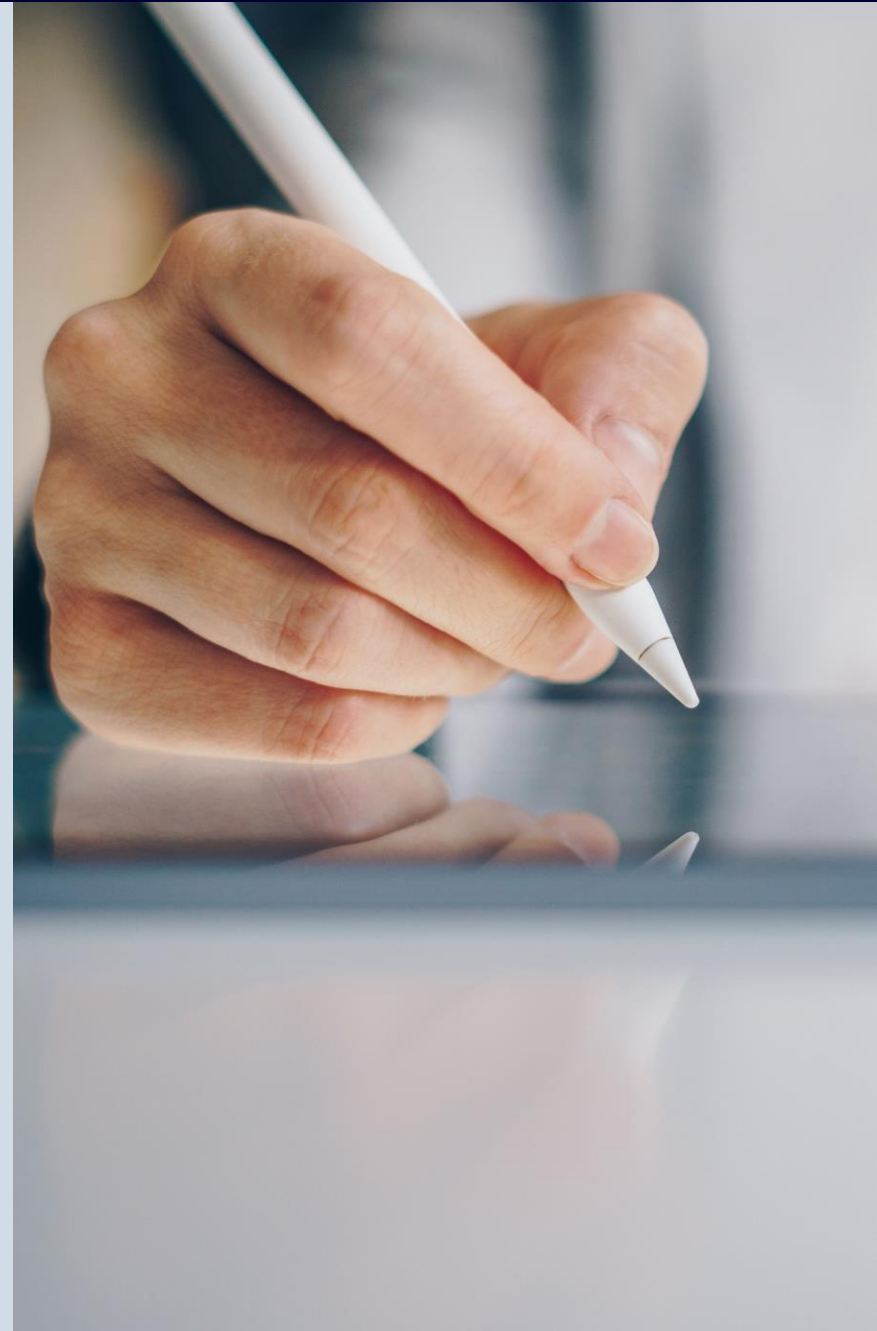


Digideiddio mewn cymwysterau cenedlaethol

- Mae cymwysterau cenedlaethol ar gyfer dysgwyr mewn ysgolion, addysg bellach a dysgu seiliedig ar waith yn cyflwyno ystod ehangach o **asesiadau ar y sgrin**
- Digideiddio i **ddigideiddio**
- Cynyddu nifer y prentisiaid yng Nghymru yn **ymgysylltu â thechnolegau digidol** i:
 - cwblhau profion ar y sgrin
 - cynllunio a gwerthuso ymarfer yn y gweithle
 - tystiolaeth o arddangos sgiliau

Digitalisation in national qualifications

- National qualifications for learners in schools, further education and work-based learning are introducing a greater range of **on-screen assessments**.
- Digitisation to **digitalisation**
- Increasing number of apprentices in Wales **engaging with digital technologies** to:
 - complete on-screen tests
 - plan and evaluate workplace practice
 - capture evidence of skills demonstration



Moderneiddio asesiad

- Archwilio sut y gall technolegau digidol fod o fudd pellach i gymwysterau ac asesu: hydrinedd, ysgogol, dibynadwyedd a dilysrwydd
- Newidiadau yn argaeledd **asesiadau goruchwyllo o bell**
- Ymchwil i fodolau **asesu parhaus**
- Ystyried sut y gallai **dulliau llyfrau agored** fod o fudd i asesiadau yn y dyfodol
- Datblygu **eitemau ar y sgrin** gydag athrawon a thiwtoriaid, a myfyrio ar brofiadau o ddefnyddio llwyfannau ar y sgrin

Modernising assessment

- Exploring how digital technologies can further benefit qualifications and assessment: manageability, engagement, reliability and validity
- Changes in the availability of **remotely- invigilated assessments**
- Research into models of **continuous assessment**
- Considering how **open-book approaches** could benefit assessments in the future
- Developing **on-screen items** with teachers and tutors, and reflecting on experiences of using on-screen platforms

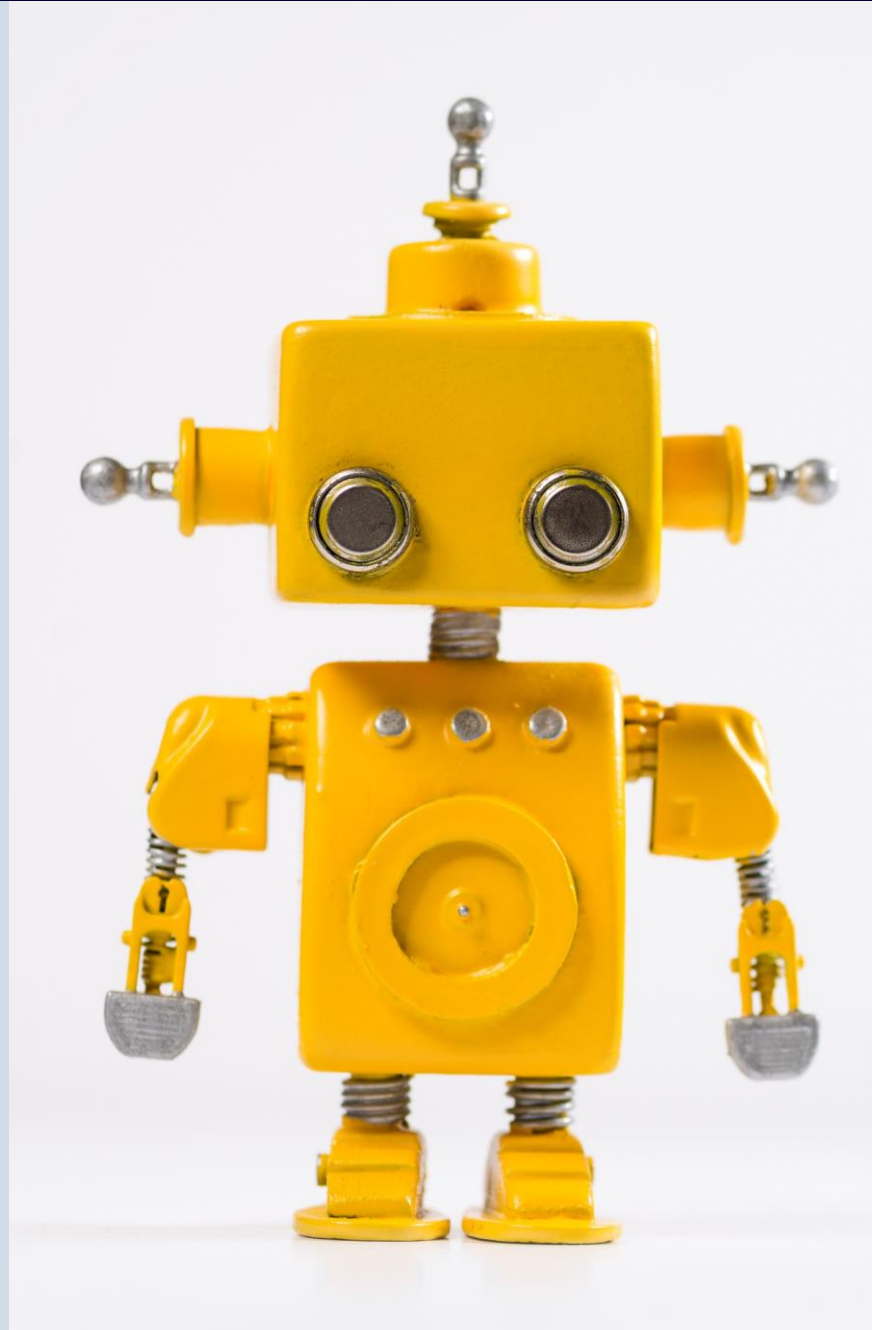


Datganiad sefyllfa deallusrwydd artifisial

- Cyfleoedd a heriau posibl mewn pedwar maes:
 - **dysgu ac addysgu** o'r cynnwys cymhwyster
 - sut mae cyrff dyfarnu yn **dylunio ac yn cyflwyno** cymwysterau ac asesiadau
 - lefelau **rheolaeth a dilysrwydd** tystiolaeth
 - y **wybodaeth, y sgiliau a'r profiadau** sydd wedi'u cynnwys mewn cymwysterau
- Tîm sy'n archwilio **arloesedd cyfrifol wrth asesu** y gellir ei alluogi gan AI

Artificial intelligence position statement

- Potential opportunities and challenges in four areas:
 - **teaching and learning** of qualification content
 - how awarding bodies **design and deliver** qualifications and assessments
 - levels of **control and authenticity** of evidence
 - the **knowledge, skills and experiences** contained within qualifications.
- Team exploring how **responsible innovation in assessment** can be enabled by AI



Deallusrwydd artiffisial – dysgu ac addysgu

- Cyfleoedd i greu a **phersonoli** deunydd dysgu
- Efallai y bydd mwy o ffocws ar **drafodaeth** rhwng dysgwyr a thiwtoriaid
- Cynhyrchu syniadau gwersi posibl, amlinelliadau a thasgau
- Hyder wrth ddefnyddio offer AI sy'n datblygu ymhlith dysgwyr
- Canolfannau yn llywio **meini prawf mynediad** i offer AI a datblygu polisiâu

Artificial intelligence – teaching and learning

- Opportunities for creating and **personalising** learning material
- Potentially greater focus on **discussion** between learners and tutors
- Generating potential lesson ideas, outlines and tasks
- Confidence in using AI tools developing amongst learners
- Centres navigating **access criteria** to AI tools and developing policies



Deallusrwydd artiffisial – ystyriaethau asesu

- Mae'r ymgysylltiad rhwng cyrff dyfarnu a darparwyr dysgu yn dechrau
- Mae offer AI yn tyfu mewn nifer ac yn cael eu hymgorffori mewn ystod ehangach o raglenni meddalwedd
- Potensial ar gyfer cysondeb ac aliniad rhwng gwahanol ddarparwyr dysgu

Artificial intelligence – assessment considerations

- Engagement between awarding bodies and learning providers beginning
- AI tools are growing in number and becoming embedded in a wider range of software programmes
- Potential for consistency and alignment between different learning providers

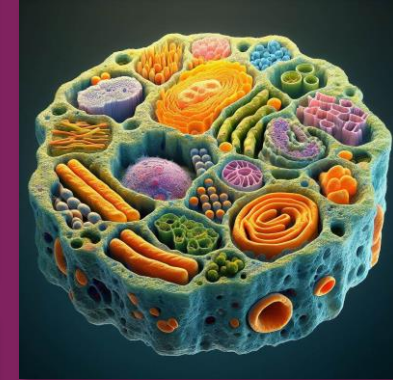
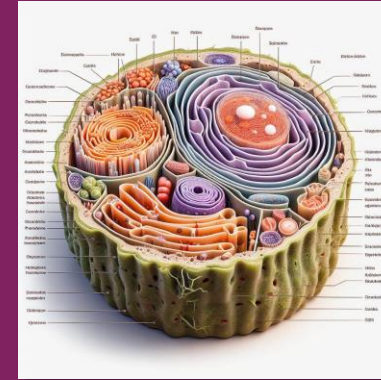


Deallusrwydd artiffisial – hygyrchedd a chynwysoldeb

- Cydnabod potensial ar gyfer offer AI i wneud dysgu ac asesu'n fwy hygyrch
- Mae offer AI yn **gwella rhai swyddogaethau** a ddarperir gan dechnolegau presennol, ac yn gwneud eraill yn fwy cyfeillgar i'r defnyddiwr
- Cyfleoedd i wneud dysgu'n fwy cynhwysol:
 - delweddu cysyniadau
 - cyfieithu testun- ac iaith sy'n seiliedig ar lais
 - cyflymu rhywfaint o adborth gan y dysgwyr

Artificial intelligence – accessibility and inclusivity

- Recognition of potential for AI tools to make learning and assessment more accessible
- AI tools are **enhancing some functions** provided by existing technologies, and making others more user friendly
- Opportunities for making learning increasingly inclusive:
 - visualising concepts
 - translating text- and voice-based language
 - expediting some learner feedback



Deallusrwydd artiffisial – cynnwys pwnc sy'n gysylltiedig ag AI

- Meysydd a disgyblaethau **pwnc a allai fod yn newydd**, sy'n gysylltiedig â rolau newydd neu rai sy'n dod i'r amlwg
- Dimensiynau newydd i'r **meysydd astudio presennol**
- Addasiadau i gynnwys presennol sy'n adlewyrchu **ffyrdd newydd o weithio**
- **Sgiliau eang sy'n gysylltiedig ag AI** i gefnogi dysgu, cynnydd, cyflogadwyedd a dinasyddiaeth
- **Sgiliau trosglwyddadwy** eraill sy'n cynyddu mewn pwysigrwydd yng nghyd-destun AI

Artificial intelligence – AI-related subject content

- Potentially **new subject domains** and disciplines, related to new or emerging roles
- New dimensions to **existing areas** of study
- Modifications to existing content that reflect **updated ways of working**
- **Broad AI-related skills** to support learning, progress, employability and citizenship
- Other **transferable skills** which increase in importance in the context of AI



Discussion

1. How can digital technologies be best reflected in qualification content, or used in qualification assessments?
2. In your experience, what impact has AI had, so far, on learning and assessment?
3. What benefits could AI tools bring to the delivery and assessment of work-based learning qualifications?

Trafodaeth

1. Sut y gellir adlewyrchu technolegau digidol orau yng nghynnwys cymwysterau, neu eu defnyddio mewn asesiadau cymwysterau?
2. Yn eich profiad chi, pa effaith mae AI wedi'i chael, hyd yn hyn, ar ddysgu ac asesu?
3. Pa fuddion y gallai offer AI eu cynnig i ddarparu ac asesu cymwysterau dysgu seiliedig ar waith?

