

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



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Addysg a'r Dyniaethau
Education and Humanities



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

- Bod yn ymchwilydd medrus
- Datblygu ffyrdd o ddefnyddio holiadur ag ymagwedd Mosaig i gynhyrchu data i ateb y cwestiwn ymchwil
- Being a skilled researcher
- Developing ways of using questionnaire and the Mosaic approach to generate data to address the research question



Nodweddion Ymchwil

Research Dispositions

Bod yn ymchwilydd
medrus

Being a skilled researcher

Bod yn sgeptigol

Being sceptical

Bod yn foesechol

Being ethical

Being part of an
inquiring profession

Bod yn rhan o
broffeiswn ymholgar



Dwyn i gof...



- Beth yw Ymagwedd Mosaig?
- Beth sydd rhaid cofio wrth ddylunio holiadur, taflen arsylwi a chwestiynau cyfweld?

- What is the Mosaic approach?
- What do you need to remember when designing a questionnaire, observation schedule and interview questions?

Rhowch gynnig arni!

Have a go!

Cwestiwn Ymchwil:

- Beth yw canfyddiadau dysgwyr a staff o ddysgu yn yr awyr agored?

Research Question:

- What are pupils and staff perceptions of outdoor learning?



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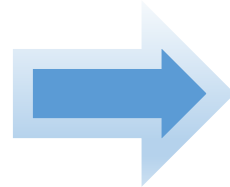
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Adborth - Feedback

Cwestiwn Ymchwil:

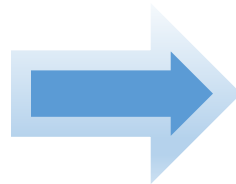
- Beth yw canfyddiadau dysgwyr a staff o ddysgu yn yr awyr agored?



- ✓ Holiadur
- ✓ Arsylwadau
- ✓ Cyfweiliadau

Research Question:

- What are pupils and staff perceptions of outdoor learning?



- ✓ Questionnaire
- ✓ Observations
- ✓ Interviews

Adolygu - Revision

- Ail-edrych ar y fanyleb asesu – ECAD5010/C
- Strwythur yr aseiniad
- Diwrnod Ymchwil 02/03
- Look again - ECAD5010 assessment specification
- Layout of the assignment
- Research Day 02/03



Tasg Gyfeiriedig - Directed Task

Cwestiwn Ymchwil: Beth yw canfyddiadau dysgwyr a staff o Asesu ar gyfer Dysgu?

TASG: Dyluniwch fethodoleg ar gyfer eich Cwestiwn Ymchwil:

- Cwestiynau cyfweld
- Holiadur
- Taflen Arsylwi

Research Question: What are the pupils and staff perceptions of Assessment for Learning?

TASK: Design a methodology for your RQ:

- Interview questions
- A questionnaire
- Observation schedule

Sesiwn 11 & 12 Session

Astudiaeth annibynnol

- Gweithio ar yr uchod – defnyddio adborth i fireinio cwestiynau ymchwil/offer ymchwil
- Tiwtor ar gael ar gyfer sesiwn galw heibio

Independent study:

- Working on above – use feedback to refine research questions and tools
- Tutor available for drop-in



Barod i ymchwilio yn yr ysgol?

- Being research-ready for school?

- ✓ Cwestiwn ymchwil
- ✓ Llythyr caniatâd
- ✓ Cysyniad – adnoddau
- ✓ Holiadur
- ✓ Cwestiynau cyfweld
- ✓ Taflen arsylwi
- ✓ Ffurflen foeseg

- ✓ Research question
- ✓ Consent letter/ form
- ✓ Assent – resources
- ✓ Questionnaire
- ✓ Interview questions
- ✓ Observation sheet
- ✓ Ethics form

Plenary Quiz



1. What is the name given to the person who fills in the questionnaire?



2. What is the verb to describe putting pressure on someone to complete a questionnaire?



3. What is the name given to a person who takes part in an interview/observation, etc.?



4. All respondents and participants have the right to ...?



5. What do you need to obtain before asking someone to take part in research?

Plenary Quiz



6. What could you use to support your planning of a questionnaire/interview?



7. What do we call the trial questionnaire, observation or interview?



8. Likert, Thurstone and Guttman are all types of what?



9. Can you name the 3 different types of interviews?



10. What must you ensure when using the data collected?

Any questions?
Unrhyw gwestiynau?



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Cyfeirnod - References

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<https://www.bera.ac.uk/publication/ethical-guidelines-for-educational-research-2018>
- Cohen, L. & Manion, L. (2017) *Research Methods in Education*. London: Routledge.
- Kumar, R. (2014) *Research Methodology*. London: Sage.
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