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 2

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

- Bod yn sgeptigol
- Datblygu agwedd feirniadol yn seiliedig ar ymchwil addysgol
- Adnabod safbwyntiau gwahanol. Beth y gellir ei ddefnyddio i lunio barn?

- Being sceptical
- Develop a critical stance on existing educational research
- Identify contesting viewpoints. What can be used to inform an argument?

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

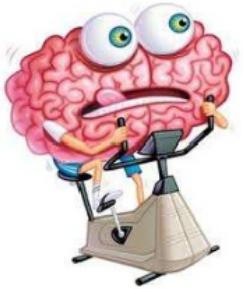
Bod yn sgeptigol / Being sceptical

Deall tystiolaeth empirig mewn maes dadleuol:

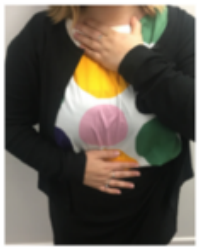
- Bod yn ymwybodol o'r gyrwyr gwleidyddol, economaidd a chymdeithasol o blaid 'tystiolaeth', a goblygiadau 'tystiolaeth'.

To understand empirical evidence in a contested terrain:

- Being aware of the political, economic and social drivers for, and implications of, 'evidence'.



Brain Gym Exercises



Brain Buttons

Place one hand across your belly button and rub your brain buttons with the other hand. Now move your eyes left and right.



Cross Crawl

As you walk or march on the spot, touch your right knee with your left hand, then touch your left knee with your right hand.



Hook Ups

Cross your legs. Extend your arms, cross them over at your wrists, link up fingers and bring your hands upwards to your chest. Close your eyes, hold, and focus on your breathing.



Air Drawing

Pointing with both fingers, draw in the air, making sure right and left fingers are in symmetry with each other.



Unlocking Ears

Place your hands at the top of both your ears. Gently unroll your ears from the top to the bottom.

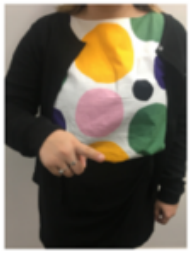


Figure Eights

Point your finger and draw huge figure eights sideways in the air. Make sure you cross over both sides of your body and take turns with both hands.

https://www.youtube.com/watch?v=O5ChXC-rHLE

AUDITORY

Auditory learners make up **30%** of the population.

If you're an auditory learner information comes in best through your ears, from speeches, presentations or audio books. You have a knack for foreign languages and benefit from study groups.

VISUAL

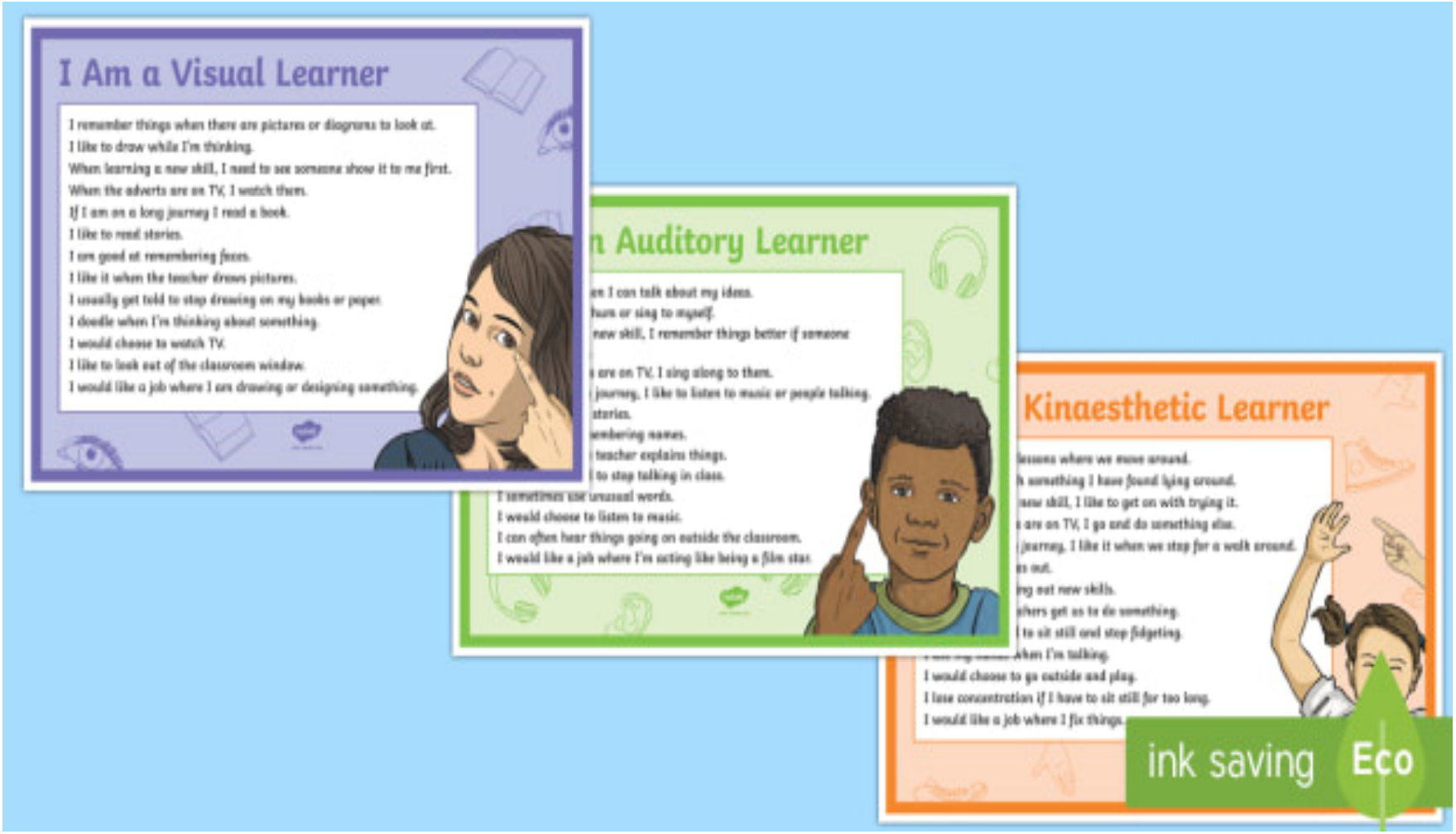
Visual learners make up **65%** of the population.

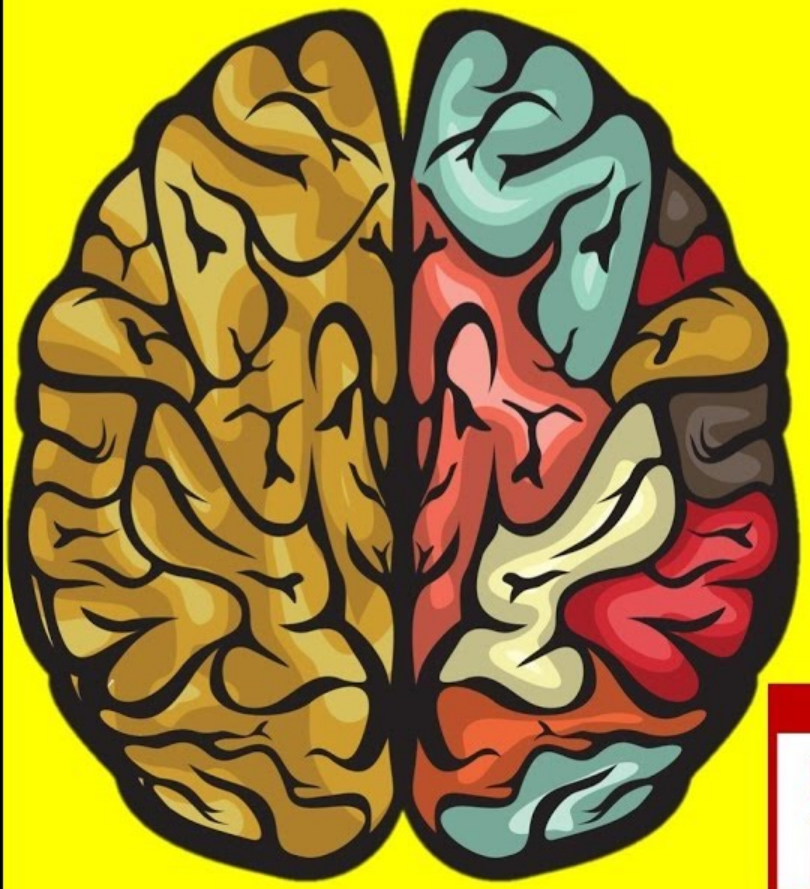
They tend to be neat and tidy, excellent spellers and quick to read charts. Visual learners also tend to be the fastest talkers.

KINESTHETIC

Kinesthetic make up just **5%** of the population.

They are primarily male and love anything hands-on. These learners are often skilled athletes or musicians and are drawn to construction projects, science experiments and field trips.


I Am a Visual Learner
I remember things when there are pictures or diagrams to look at.
I like to draw while I'm thinking.
When learning a new skill, I need to see someone show it to me first.
When the adverts are on TV, I watch them.
If I am on a long journey I read a book.
I like to read stories.
I am good at remembering faces.
I like it when the teacher draws pictures.
I usually get told to stop drawing on my books or paper.
I doodle when I'm thinking about something.
I would choose to watch TV.
I like to look out of the classroom window.
I would like a job where I am drawing or designing something.
n Auditory Learner
Kinaesthetic Learner
ink saving
Eco



Are You

LEFT-BRAINED

Or

RIGHT-BRAINED?

THEMÂU POBLOGAIDD MEWN ADDYSG
HOT TOPICS IN EDUCATION



Ffynonellau ymchwil

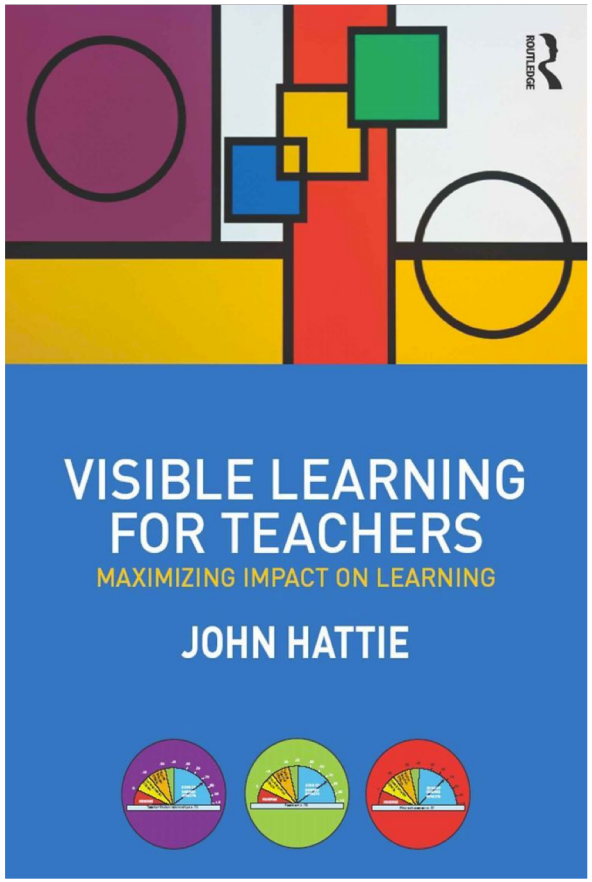
Research sources

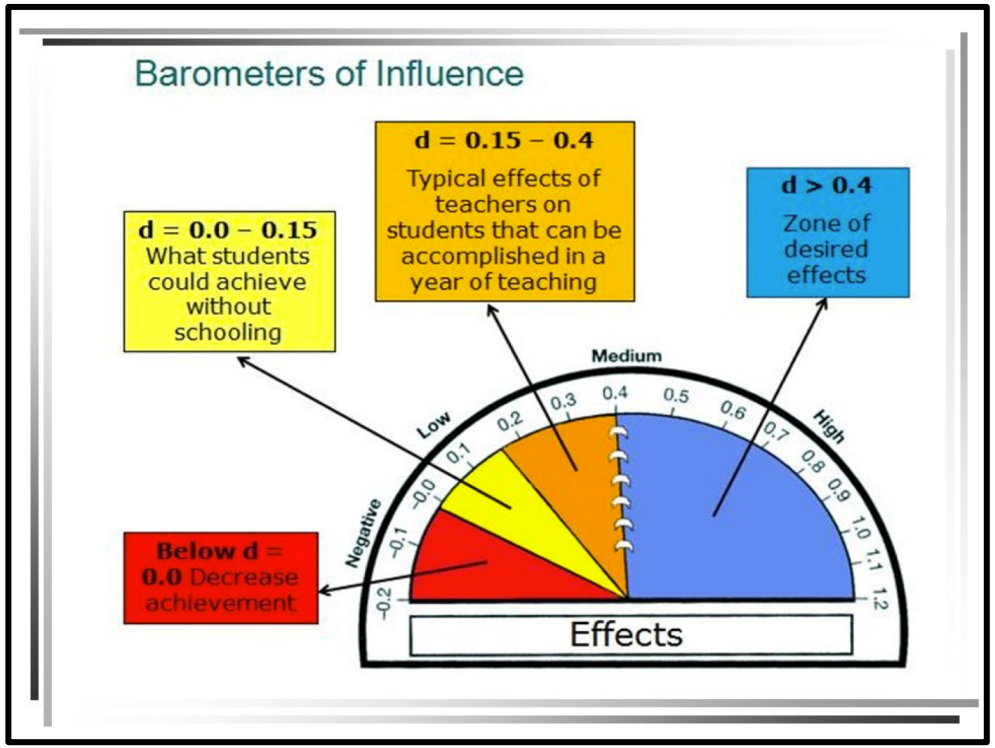
- Papurau Newydd /Newspapers
- Blogiau / Blogs
- Erthyglau /Journal articles
- Gwefannau / Websites



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

HATTIE – META ANALYSES





http://projectachieve.info/news/post/144/how-hatties-research-helps-and-doesnt-help-improve-student-achievement

Sut mae llunio barnau cydweithredol ynghylch beth sydd ‘orau’ a pham?

How do we make collaborative judgements about what is ‘best’ and why?



https://www.arnoldventures.org/stories/when-policy-based-evidence-is-exactly-what-is-needed/

Safbwyntiau cystadleuol

Contesting viewpoints

KNOWLEDGE VS SKILL

Things you know	Things you can do
Algorithms, Design Patterns, Data Structures	Devise, analyze, implement
How Security Exploit work	Find exploits in the wild
{Language, Framework, Domain}	Make cool stuff



TEACHER-LED

HISTORY

CROSS-CURRICULAR LEARNING 3-14

JONATHAN BARNES



Beth i'w ddefnyddio i lywio'r ddadl?
What can be used to inform an argument?

- Ffynhonnell
- Awdur
- Cyhoeddwr
- Polisi llywodraeth
- Cwricwlwm
- Erthygl – lleoliad, adolygu gan gymheiriaid, ayyb.

- Source
- Author
- Publisher
- Government policy
- Curriculum
- Journal – location, peer-reviewed, etc.

Crynodeb / Summary

- Beth ydych wedi ei ddysgu heddiw?
- What have you learnt today?

Tasg gyfeiriedig 1 – Directed task 1

Darllen/Read:

- Blackburn (2018) Researching with young and developmentally young children: Ethical considerations, dilemmas and compromises. In *BERA Bites: Early Childhood, Issue 1*.

Cyfeirnod Reference

- Blackburn (2018) Researching with young and developmentally young children: Ethical considerations, dilemmas and compromises. In *BERA Bites: Early Childhood, Issue 1*.
- Cottrell, S. (2013) *The Study Skills Handbook (4th ed.)* Basingstoke: Palgrave Macmillan.
- Revision of 'critical reading skills' –please see: https://vwcceng111.pressbooks.com/chapter/chapter-1-critical-reading/#whatiscritical