Playing beyond CLIL Playing beyond CLIL





Do Coyle

OUR WORLD

OUR LEARNING SPACES



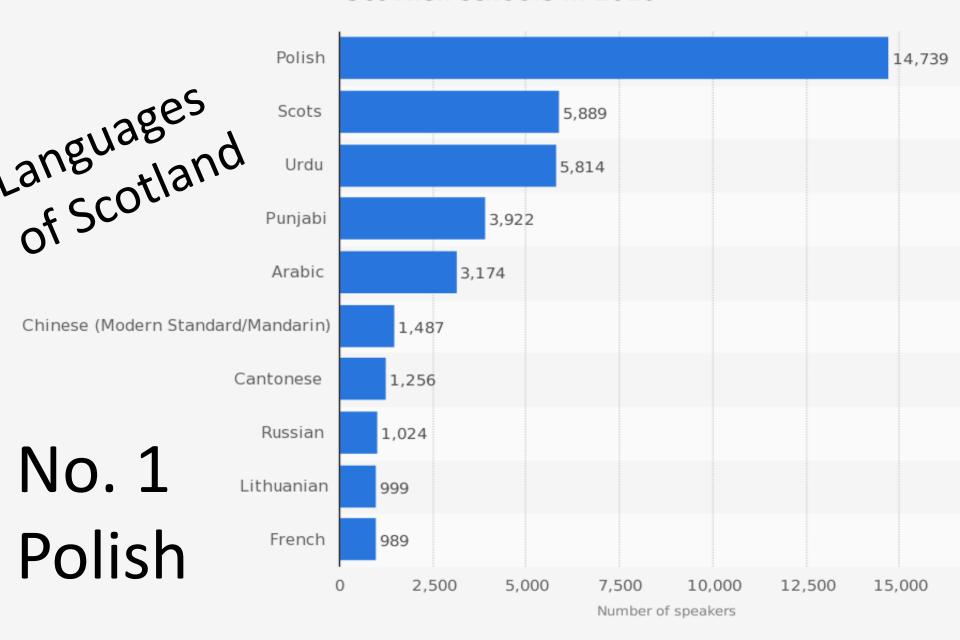
LEARNING PARTNERSHIPS

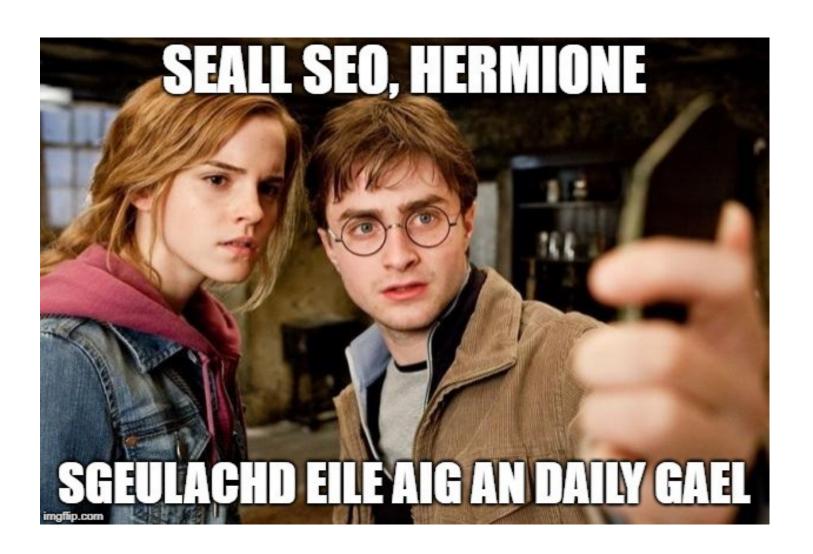
to nurture pluriliterate citizens





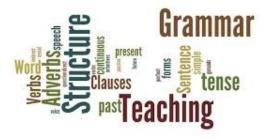
Non-English main home languages ranked by number of speakers in Scottish schools in 2016

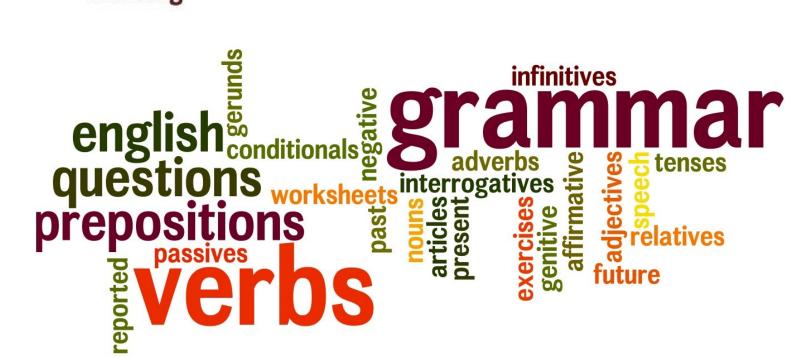




258 million people are living outside their birth country





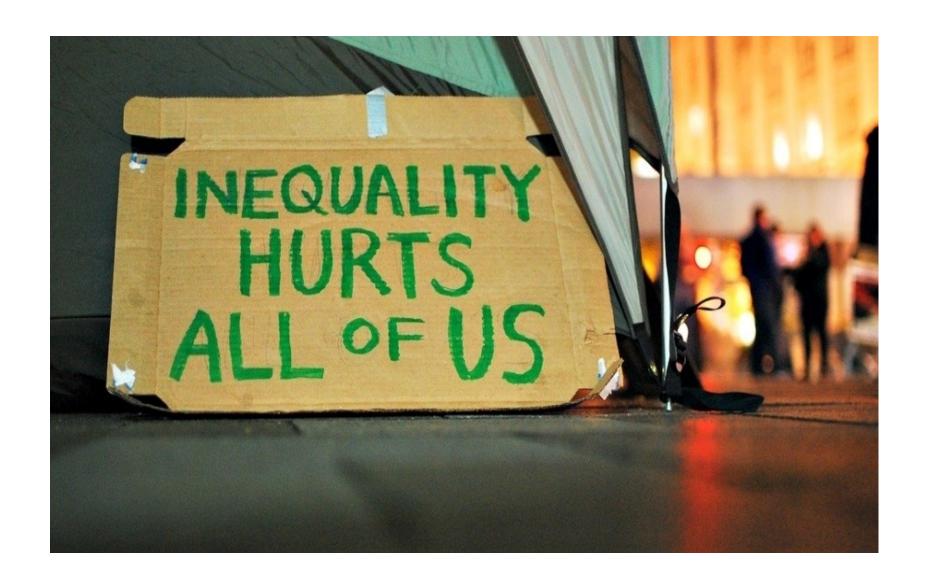


"Weel, Gruffalo," said Moosie. "Eh hope yi'll agree Aabody iz feart o me!

But noo meh belly's rummlin inside me, An meh favrit food iz gruffalo bridie."

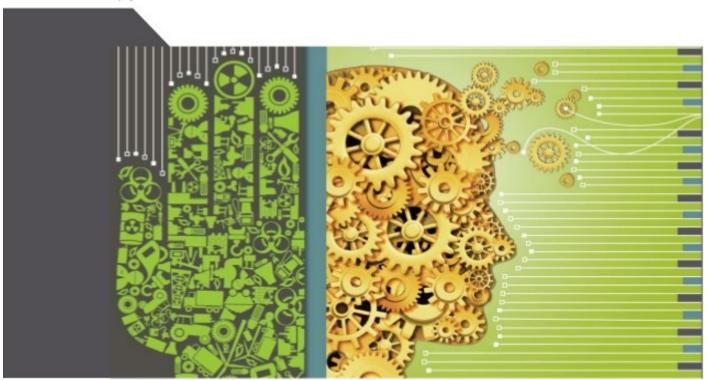






OECD 2016 proficiency in several information-processing skills – literacy, numeracy and problem-solving in technology-rich environments

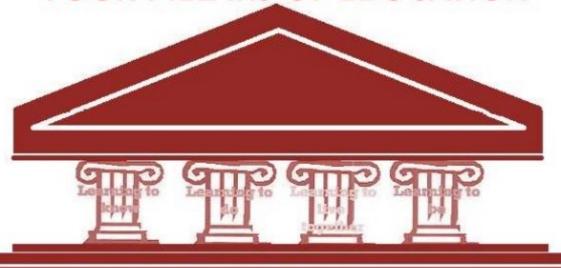






The International Commission on Education for the 21st Century advocates

FOUR PILLARS OF EDUCATION



LEARNING To Know LEARNING

LEARNING

LEARNING

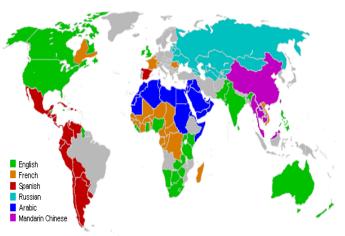
To Do

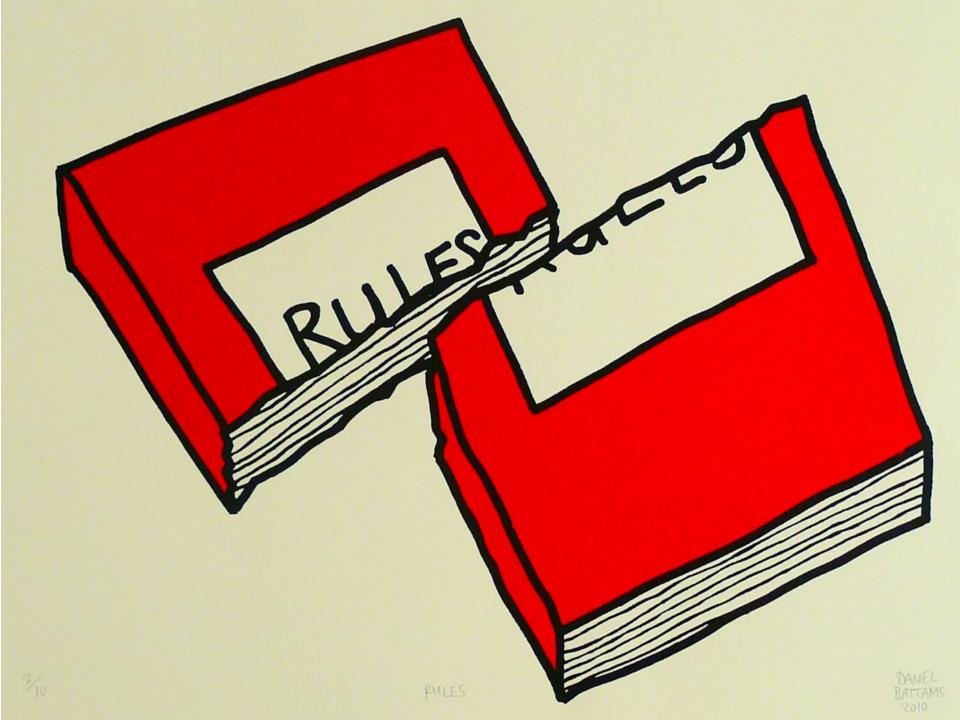
To Live Together

To Be

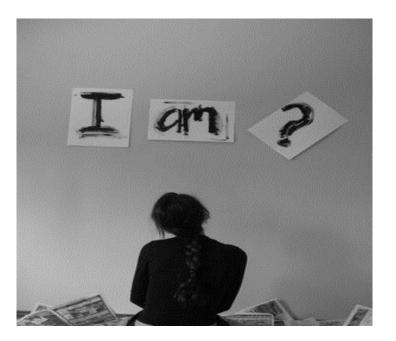
Shifts in Landscapes

- Societal changes
- Global concerns
- Policy and political imperatives
- Unprecedented digital advancement
- Fit-for-purpose education





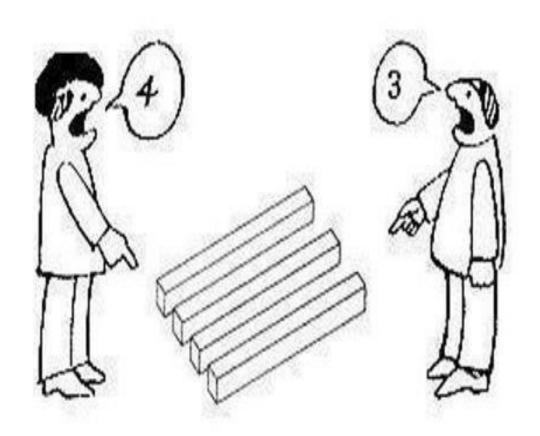
The world we live in and the classrooms we learn in and the learners and teachers who work together are changing. A good news story...







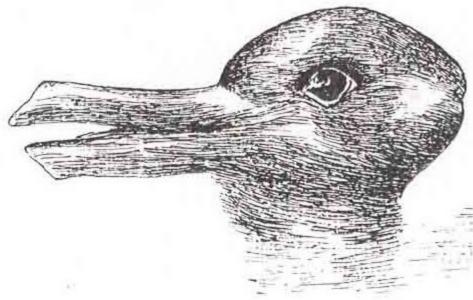




Language is never neutral

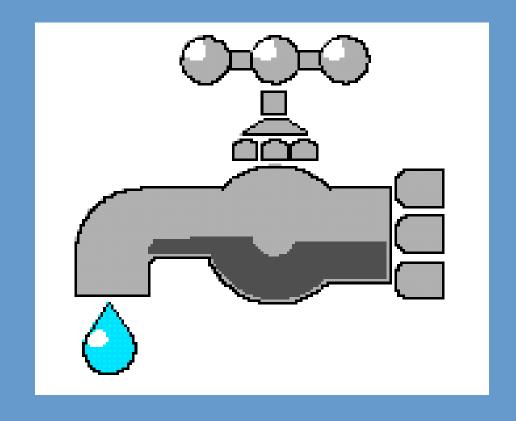
Changing paradigms







Visual



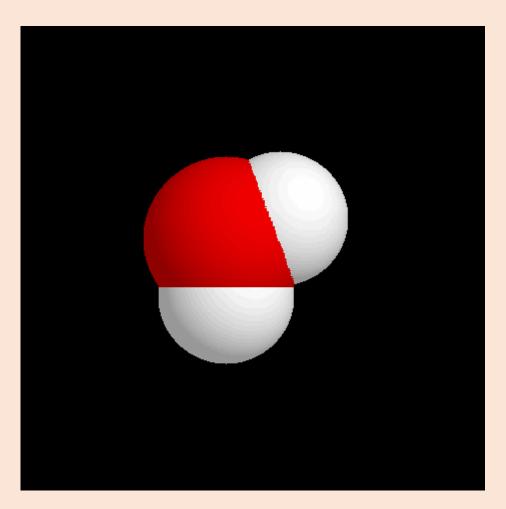
Representation

What kind of language is happening here?

What does it mean? Who can access it?

 H_2O

What does this represent?
What is the role of image in concept building?



The lartey frimps krolacked blinfly in the detchy shilbor

Read the sentence above and answer the following:

- 1. What kind of frimps were they?
- 2. What did the frimps do?
- 3. How?
- 4. In what kind of shilbor did they krolack?
- 5. Which word is the subject in this sentence?
- 6. Which is the verb?

The lartey frimps krolacked blinfly in the detchy shilbor

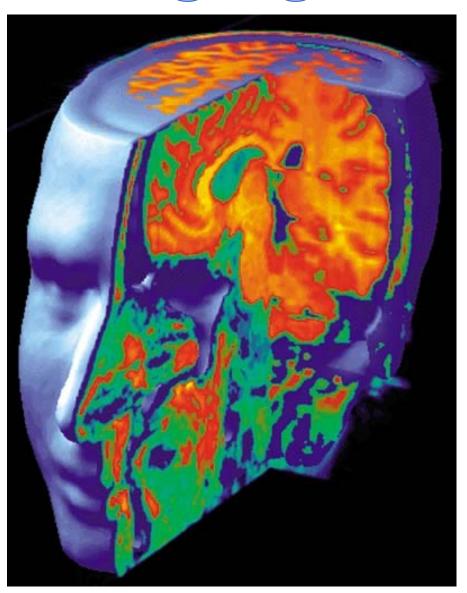
- 7. **Explain** why the frimps were krolacking the detchy shilbor. Be prepared to justify your claims with facts.
- 8. If you had to krolack in the shilbor, which one item would you **choose** to have with you and **why**?



Deeper learning

Deeper learning occurs when knowledges and understanding are internalised and automatized in ways which enable individuals to demonstrate their own understanding in different ways and transfer their learning to other contexts.....

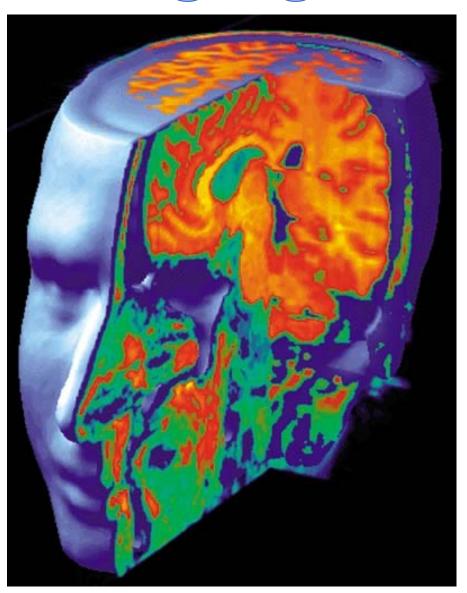
Language as Learning Tool



Cognitive tool for constructing concepts

Meta-cognitive and linguistic tool for learning how to learn [always remember languaging is a verb]

Language as Learning Tool

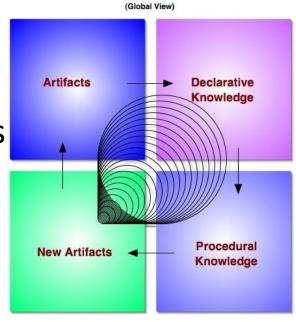


For **social connectivity** and intercultural understanding

As the **object** of learning ~ making literacies transparent, accessing languages for pluriliteracies

Knowledge isn't just facts!

- Factual knowledge about
- Conceptual deeper knowledge about
 The Knowledge Creation Spirial
- Procedural how to (applied)
- Meta-cognitive strategies

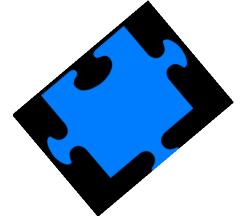


Different types of knowledge require different kinds of language for constructing and deepening understanding... and I must make it visible and accessible - teach it!

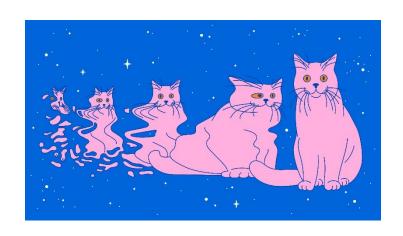
Language is not about words... words are meaningless



To Language is a verb



Quantum states...





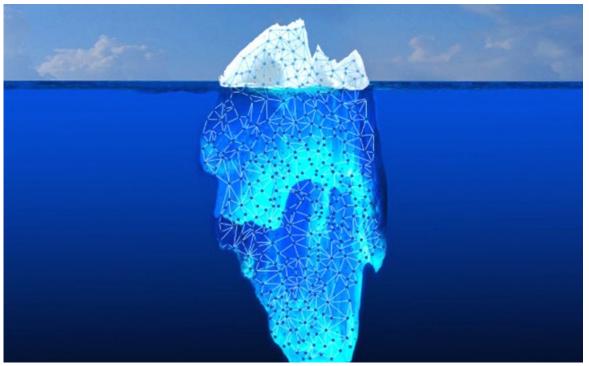
http://youtu.be/d1tn56vWU_g

Draw this concept.....

Jupiter is the largest planet in our solar system. Its mass is approximately 318 times greater than the Earth. Jupiter is so massive, you could take every other planet in the solar system and combine them all together, and the resulting body would still be only half the mass of Jupiter. Earth has an equatorial radius of 6,378.1 kilometres, whereas Jupiter has an equatorial radius of 71,492 kilometres.

Which literacies as a CLIL educator?

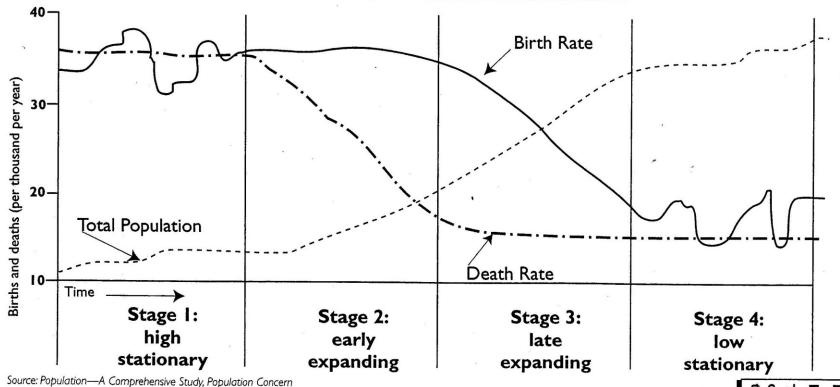




And dealing with text across languages means....

- A shift from grammatical chronological dependence
- Looking at genre, register and style
- Taking meaning-making seriously and enabling authentic creativity with language
- Understanding what deeper learning means
- Connecting with first language literacies
- Using digital means to transform materials into resources
- Using other media and modalities to explore text
- Re-thinking tasks design and sequencing

The demographic transition model

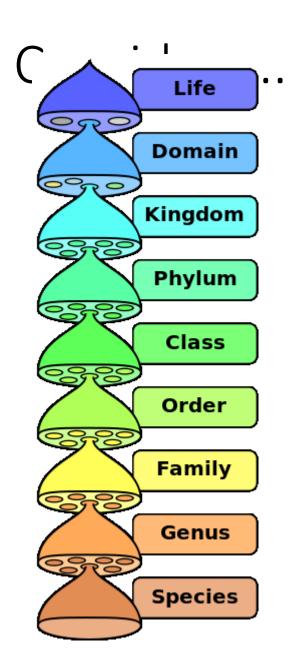


Exemplar 1: transition model Living Graphs

2

The demographic transition model

- 1. More houses are built
- Children are warmers in bed at might because they have more brothers and sisters
- 3. There are more golden weddings
- 4. Grandparents are rare
- 5. People are encouraged to emigrate to the colonies
- 6. The public health inspector sees the new sewers completed
- 7. A mother sobs over the grave of the last of her six children died in a typhoid epidemic
- 8. Fewer children share a bedroom
- 9. Parents are starting to think more about family planning
- 10. Billy White loses his job as a grave digger



Biology is not plants and animals. It is language about plants and animals... Astronomy is not planets and stars. It is a way of talking about planets and stars (Postman, 1986:3)

Behaving like a scientist NRC Framework 2011

Identifying 8 science practices:

- 1. Asking questions and defining problems
- 2. Developing and using models
- 3. Planning and carrying out investigations
- 4. Analysing and interpreting data
- 5. Using mathematical and computation thinking
- 6. Constructing scientific explanations
- 7. Engaging in argument and discussion
- 8. Obtaining, evaluating an communicating information

Meaning Making: A Knowledge Pathway through History

	Text type	Social purpose
Chronicling history	Autobiographical recount	To retell the events of your own life
	Biographical recount	To retell the events of a person's life
	Historical recount	To retell events in the past, not necessarily of a person
Reporting history	Descriptive report	To give information about the way things are or were
	Taxonomic report	To organise knowledge into taxonomy
	Historical account	To account for why events happened in a particular sequence
Explaining history	Factorial explanation	To explain the reasons or factors that contribute to a particular outcome
	Consequential explanation	To explain the effects or consequences of a situation
Arguing history	Analytical exposition	To put forward a point of view
	Analytical discussion	To argue the case from two or more points of view
0.004	Challenge	To argue against a view

C. Coffin, 2006

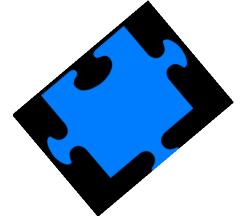
Read this!

th a growing

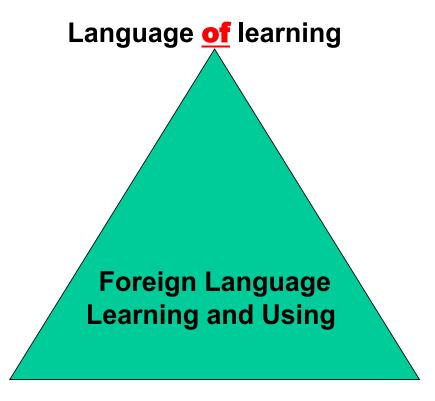
Subject-specific literacies develop with a growing ability to express or verbalize thematic, subject specific concepts or conceptual knowledge in an appropriate style using the appropriate genre and genre moves for the specific purpose of communication. This process is languaging i.e. using language(s) to mediate increasingly cognitively complex acts of thinking and understanding i.e. "the process of making meaning and shaping knowledge and experience through language" (Swain, 2006).



To Language is a verb



The Language Triptych



Language **for** learning

Language **through** learning

Linking Literacies and Languages



english conditionals of Stammar infinitives

english conditionals of Stammar infinitives

questions worksheets interrogatives interrogatives interrogatives passives

passives

infinitives

adverbs interrogatives interrogative interrogative interrogative interrogative interrog

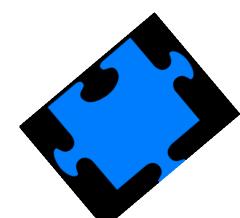




Subject Literacies

- Subject literacy involves the use of reading, reasoning, investigating, speaking and writing required to learn and form complex content knowledge appropriate to a particular discipline.
- Subject literacy is interpreted as a path towards critical thinking and knowledge application as well as towards social participation

McConachie (2010: 16)



Subject-specific Literacies a new emphasis

 Shanahan & Shanahan (2011) reject the idea that basic reading skills automatically evolve into more advanced skills over time. Instead, they make a case for transparently teaching disciplinary literacies which high-light the differences in the language. This draws attention to tools used by experts in those disciplines to construct and communicate knowledge and in the ways that individual disciplines construct and interpret the texts

Subject-specific Literacies a new emphasis

These ideas challenge widely held assumptions about how we build knowledge and how we develop problemsolving skills. They refute the following notions:

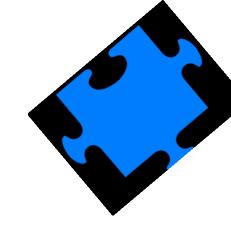
- that knowledge can be accessed and constructed through a set of generic skills;
- that learning is quasi-independent of the underlying subject matter;
- that such skills can automatically transfer across different tasks and content areas and
- that they will enable learners to solve whatever set of problems they may encounter in the future lives.

Importance of visibility

- Academic literacy must be made visible across all sectors of learning, which relates directly to subject learning. The teaching of academic literacy to all learners especially those in multilingual contexts relating to school subjects is essential. It is very different from everyday language
- The continuum from everyday spoken language to highly specific subject-specific written language
- How can we teach a subject without making academic literacy explicit?

(Gibbons 2018)





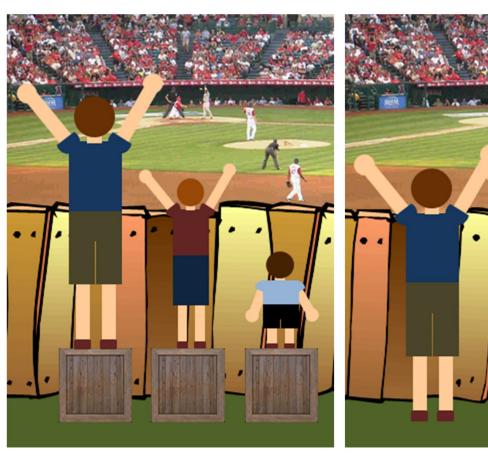
Academic Language is nobody's mother tongue



Explicit teaching and learning of academic subject literacies for all learners is a *leveller*, *enabler*. It provides access to deeper learning regardless of the background of individuals.

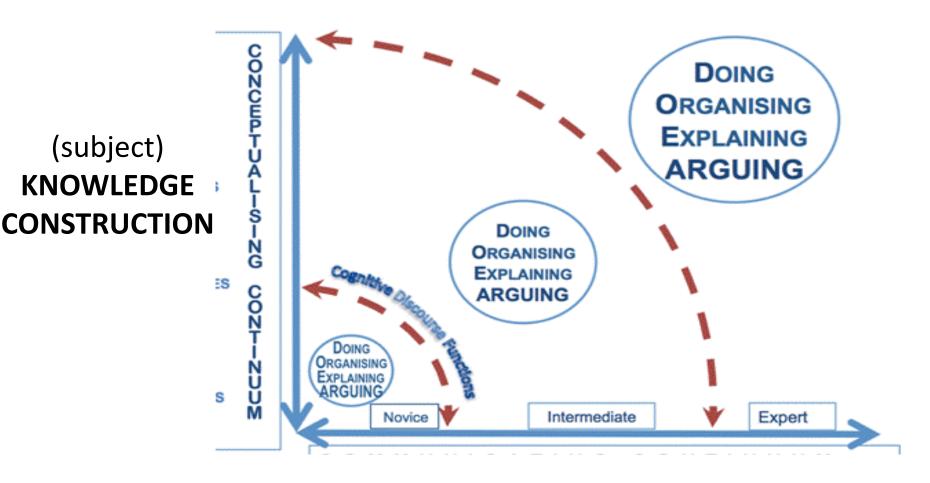
Get languaging!

(Language) Literacies as a Leveller



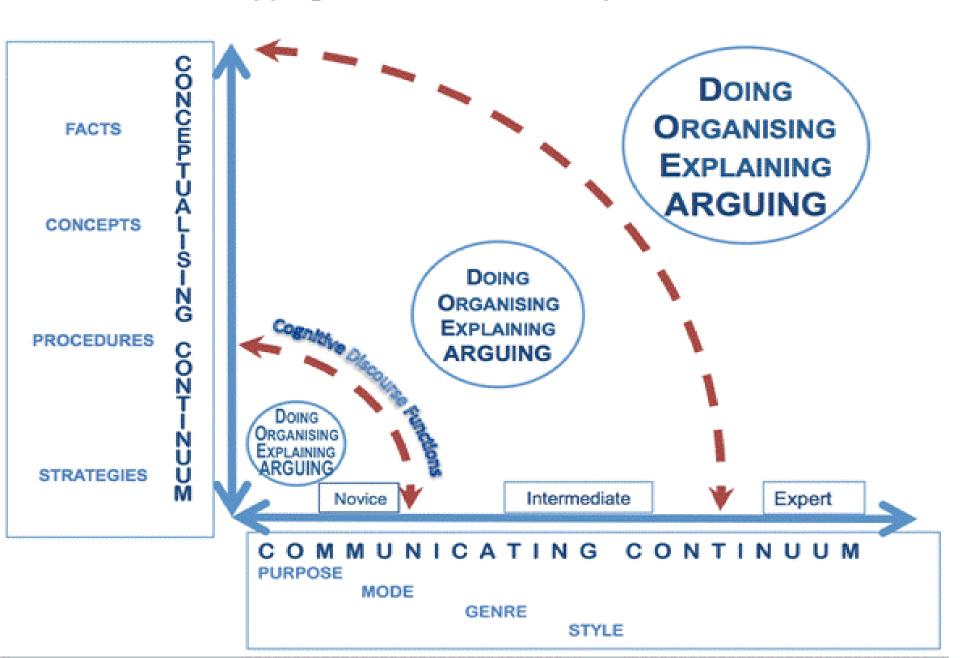


Mapping Pluriliteracies development



LANGUAGE PROGRESSION L2 AND L1

Mapping Pluriliteracies Development



Maximizing Meaning Making **Knowledge Pathways**

'doing science'



(procedure, procedural recount)



'organizing scientific information' (descriptive and taxonomic reports)

'explaining science'



(sequential, causal, theoretical, factorial, consequential explanation & exploration)

'arguing science'

(exposition and discussion, criticality)

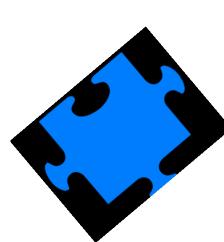
(Veel 1997)

So what does this mean for us?

Planning for four major pupil activity domains along the knowledge continuum – all of which have different literacy demands:

- 1. Doing/enabling the subject (Science, Drama)
- 2. Organising and documenting it
- 3. Explaining understanding to others
- 4. Critiquing (arguing, discussing, justifying)

.....which can be expressed in different ways



KNOWLEDGE AND ACTIVITY DOMAINS IN SCHOOL SCIENCE	SPECIFIC GENRES	PURPOSES
Doing science	1 Procedure 2 Practical report	instructs someone in how to make or do things provides a recount of the method undertaken in an experiment, as well as the results and the conclusions
Organising scientific information	Reports 1 descriptive 2 taxonomic	decribes features of places or physical phenomena decribes different kinds of physical features
Explaining events scientifically	Explanations 1 sequential 2 causal 3 factorial 4 consequential 5 theoretical	 explains a physical phenomenon by presenting the events producing the phenomenon in chronological order explains the sequence of an event or phenomenon with reasons included explains the multiple factors that contribute to a particular event or phenomenon explains the effects or consequences of a particular event or phenomenon a theoretical explanation illustrates a theoretical principle
Arguing aspects of science	Expository genres 1 argument - analytical argument - hortatory argument 2 discussion	 analytical arguments present on an issue in order to persuade the reader/listener to agree with a particular point of view. Hortatory arguments both present and try to persuade the reader/listener to take some action presents the case for more than one point of view about an issue

Starting point:

Identify cognitive discourse functions and language patterns

Naming

Sequencing

Describing

Sorting from known criteria

Asking questions

Comparing and contrasting

Classifying

Explaining

Hypothesising

Generalising

Reasoning

Problem solving

Analysing

Ranking

Evaluating

Its not just about new vocabulary

Consequences of absent discourse

Considering the fact that teaching subject specific concepts and their respective meaning extension is a central aspect of content teaching, definitions are a surprisingly infrequent phenomenon in the data. In 17 out of 43 lessons (40%) no instances of defining could be identified.

It may be unsurprising that the lexemes 'definition' or define' do not occur at all in the entire corpus. And since the genre is not even named, it is equally unsurprising that there is no meta-talk about it. The written materials used during the lessons did not contain any definitions written definitions can also be dismissed.

Dalton-Puffer, 2004:32

Dynamic Assessment

- The basic premise of dynamic assessment is that it is important to assess students' potential to learn rather than measure what they have just done
- As well as being a way to offer direct support to the learner, dynamic assessment can inform the teacher about topics and skills that many students are finding difficult and so help the process of re-designing and improving the teaching.
- It can also motivate learners to reflect on their learning journeys and decide on which skills they need to improve. It is particularly valuable for developing skills of reasoning, problemsolving, decision making, leadership, creativity and literacy

Austin's Butterfly





https://www.youtube.com/watch?v=hqh1MRWZjms

Revisiting Key Ideas Language at the core of curriculum

- Language is a thinking tool (cognitive)
- Language enables us to construct knowledge and make meaning (semiotics)
- Language as a mediating tool (socio-cultural, scaffold our own and others' learning)
- Language is a communication tool (talk)
- Language enables us to articulate our thinking with ourselves and others (dialogic, co-construction)
- Language shapes the way we think (cultural capital)
- Language enables us to talk and talking for learning involves developing strategies and techniques for creating and coconstructing dialogic teaching and learning.



Argumentation and dialogue are not simply alternative patterns of communication; they are alternative patterns of principled approaches to pedagogy principled approaches to pedagogy (Wolfe, 2008)

Pluriliteracies Approach

- Be language aware not only of your learners but of yourself (linguistically and culturally)
- Be language aware of the specific literacy demands of your topics/subject discipline (cognitively, culturally and communicatively)
- 3. Be inclusive -different topics/disciplines have very different cultures, very different discourses which become increasingly nuanced i.e. progression....
 My awareness, my planning!

Pluriliteracies Approach

- 4. Be spatially aware....how does the physical, cognitive and social environment YOU create with your learners impact on learning?
- 5. Be aware of the role spatial, visual and kinaesthetic literacies play in your classroom ecology

What is a pluriliterate learner?

A pluriliterate learner is one who has understanding of how their learning happens, how language makes thinking and learning work through experiencing culturally-aware meaning-making, problem-solving, and being creative in more than one language – a right for all learners – whatever age, whatever stage.

Why SWYK is so important?

Languaging happens when learners express their understanding of (subjectrelated) concepts in their own words (and in different modes) without simply repeating teacher or textbook language. Enabling languaging by gradually increasing the sophistication of appropriate styles, registers and genres, enables both teachers and learners to monitor learner and the quest for deeper learning. In a CLIL context, learners are explicitly provided with tools to language in more than one language.

Show What You Know happens when learners are encouraged to creatively use a games-based approach to demonstrate their understanding. This can take the form of *languaging* in different modes. It can also take the form of visual representations, movement and embodied learning. This is why SWYK is at the core of PbC. It can be argued that it is a more inclusive way of encouraging all learners whatever their age, stage and language competence to self-assess, express their meaning-making and demonstrate their understanding in alternative ways to more traditional forms of assessment.

Design Principles [1]

Theories and principles for developing a Pluriliteracies and games-based approach to CLIL. These principles, which guide practice-based approaches to dynamic formative assessment using SWYK:

- > are embedded in *subject disciplines or thematic strands*
- > promote *languaging* for understanding
- > promote thinking skills for language using/arguing/
- > promote *personal growth* learning ecologies
- > promote *pluriliteracies and games-based* approaches
- promote tasks which take account of Prior Learning Positioning Stimulus Scaffolding
- > are inclusive and take account of all learners
- promote the design of Learning Events which involve creative tasks design and sequencing leading to specific Focus Tasks (gamesbased)
- ➤ SWYK will be known as the Focus Task since learners demonstrate their learning in a range of modes, media and languages

Design principles [2]

• Learning conversations re fundamental to the learning space (i.e. where learners and their teachers discuss not only the subject of their learning (new knowledge, skills etc) but how they are learning and what works for them (mentoring learning).

If the learning ethos is one of growth and transparency, learners have to be involved in co-constructing the learning environment. One such example – the co-construction of rubrics which will be used for their own assessment (guided by the teacher). Such criteria have to be owned by the learners and the teachers

Learning conversations are therefore embedded in all learning events.

Question: how can learners be prepared to engage in these Learning Conversations?

Recommended read: Fullan and Langworthy A Rich Seam (2014)

https://www.michaelfullan.ca/wp-content/uploads/2014/01/3897.Rich_Seam_web.pdf

M Ε Ν Т 0 R I N G C 0 N Т Ν U U M

PbC Framework for designing Learning Events mentoring learning & inclusive games-based classroom practices

Solving Solvin

1.Subject, theme or topic

✓ Check out

7. Interweaving tasks for progression &

2. Pluriliteracies principles (including games-based learning) and dynamic assessment

Deeper learning

PbC

reflections on assessing learning

6. Language/s of, for and through learning

3.Selecting the Focus Task (FT)

4.Knowledge pathways linking concepts and tasks

Dynamic Assessment Summative/formative Focus task: SWYK

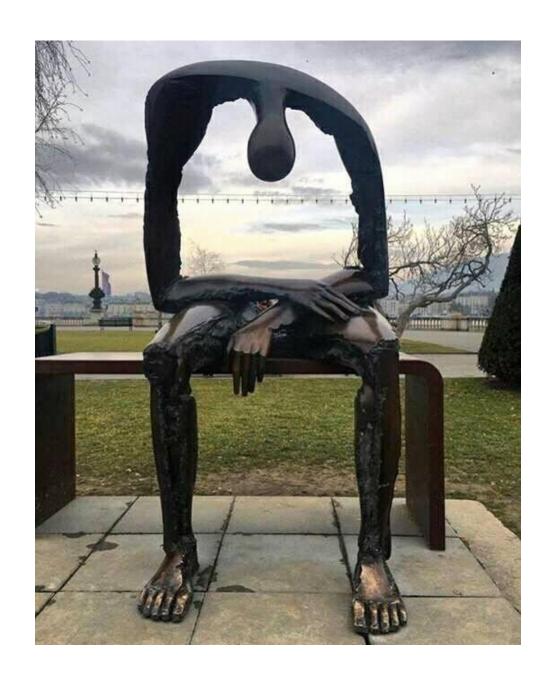
5. Other task design & sequencing ending with FT

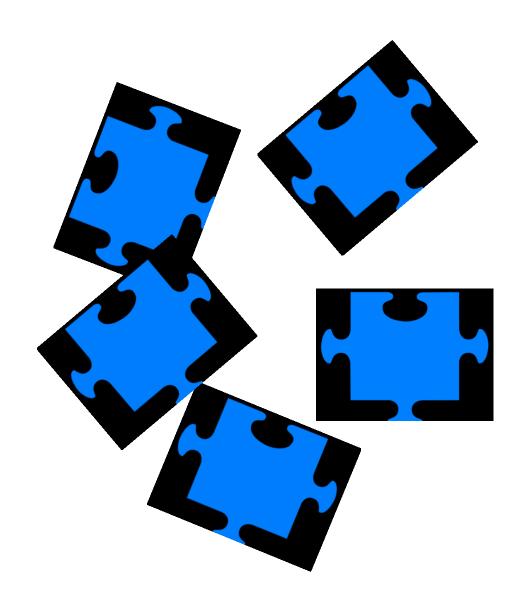
Learning Sations

Conversations

Creating ecological spaces



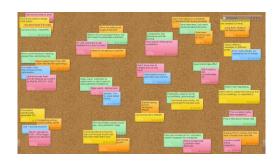


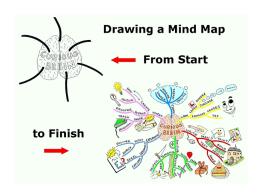


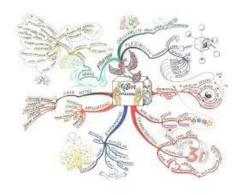


Where next?

Create your own design maps for a Learning Event











Thank you

Do.coyle@ed.ac.uk

Transformative Learning

- Learning through growing: critical reflection; professional relationships; and professional activism (Burns 2009, Mezirow, 2000).
- Activist teachers are committed to social justice and seeking to address diversity through creative ways of enabling learners to access deeper learning
- Transformative Learning involves complex cognitive processes (Harris, Moore and Farrow, 2008)
- Transformative learning is about who we are