CLIL & 21st Century Skills
From Theory to Practice

David Marsh Ph.D. (Finland)
Internationalization
Innovation
Impact

Different Contexts
Different Histories
Shared Vision
Shared Aspirations
Students increasingly share a Digital Culture

What we share in Colombia, Finland, and other countries

An Educational Leap as big as the Generation Leap
Impact of Digital Culture is Changing Mindsets

How young people read, search for information, apply knowledge, identify with themselves, and the paths they take to learn
Internationalization can only be activated through English

In the old days we had a few English speakers who could manage international affairs

Now, the world has changed

Like so many countries, Colombia needs many speakers of English
Language Learning

- In a silo

Subjunctive mood

I wish
I were in London
now.
I wish
I hadn’t done it.
Content Teaching

• In a silo
Competence-building

• In a silo
Do you recognize this man?
The House of CLIL

Linus Torvalds
Content and Language Integrated Learning (CLIL)

• Teaching in English
• Teaching through English
5 C’s
Focus on Learning English
Students (Latin American Study 2018)

- Self-confidence to speak English: Low
- Motivation to learn English: High
- Satisfaction with learning English at school: Low
- Awareness of English as global language: High
Teachers (Latin American Study 2018)

- Belief in student capacity to succeed: High
- Access to Internet in class: Low
- Need for innovative materials: High
- Satisfaction with textbooks: Low
- Desire for new approaches: High
Finnish Competences in English

Rapid Shift from Weak to Very Strong
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<th>Number of Hours not a Success Benchmark</th>
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What was the formula? Could it work in Colombia?

Make it Real
Make it Relevant
Make it Exciting
Make it Mine
Focus on grammar

Focus on significant content

BLUE = Significant Content

GREEN=Grammar, Grammar, Grammar.
Into The Shape of Water # 2

Top Down Directives
Down Up Systemics
How are Leading Schools re-shaping the Educational Environment?

There is no such thing as educational export.

There can only be international knowledge brokerage.
TRANSVERSALS ACROSS THE CURRICULUM

- Career Guidance & Navigation
- Individual Health & Lifestyle
- Personal Ecological Footprints
- Engineering Digital Solutions
- Creating Worklife Portfolios

Subjects:
- First Language
- Second Language
- Maths
- Physics
- Chemistry
- Biology
- PE
- Geography
- History
- Social Science
Combining Phenomenon-based Learning with CLIL

Using High Impact Teaching Methods and Learning Activities
Students look at a phenomenon from different real-world/academic perspectives

Physical Health, Mental Wellbeing, Sub-cultures, Lifestyle, Environment, Ethics, Migration, Happiness

Phenomenon (Greek fainómenon the obvious, what can be seen)
Using language to learn and learning to use language

The Finnish Linux of Language Learning
Effect Size (Hattie, University of Melbourne, 2015)

0.2-0.4 average

1.0 plus = 50% improved rate of learning

Activities over 0.4 can enable high impact

- Showing students that they can succeed **1.62**
- Focus on thinking **1.33**
- Reducing anxiety **0.57**
- Learning with feedback **0.73**
- Concept mapping **0.64**
An experiment, simple and sophisticated

Ser Global
Plan the Blueprint

- Which teachers?
- Which subjects?
- Which students?
- Which phenomena?

Inspiration is the locus of value creation
For Example

Lightning

Integration of different subjects to create a single learning experience (transversal)

Physics
Music
Maths
Geography
(English)
For example
Environment

Biology
Art
Geography
Social Studies
(English)
For example

Sports

Physical Education
Biology
Chemistry
Maths
(English)
For example

Friendship

Biology
Chemistry
Social Sciences
Biology
(English)
For example
Water
Key Success Concepts

- Ecosystem
- Down-up
- Relevance
- Impact

Innovation through Collaboration
El encuentro entre dos personas es como el contacto de dos sustancias químicas: si hay alguna reacción, ambas se transforman

Carl Jung