

Creative Bilingual Teaching Using

From Theory to Practice:

Implementing CLIL for Non-Language Subjects

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Content

- Understand the core principles of CLIL and its benefits for bilingual education.
- Explore key strategies to integrate language support into content teaching.
- Engage in a quick interactive activity to apply CLIL techniques in their subject.



Secondary CLIL @ISP Cambridge. (2018, March). Training into Europe. https://trainingintoeurope.com/materiali/secondary-clil-isp-cambridge



"Many non-language subject teachers struggle with helping students master content in a second language. CLIL bridges this gap by integrating language learning into subject teaching."

(Coyle, Hood, & Marsh, 2010)



CBI, CLIL & EMI: Differing Approaches and Goals

Focus on Language

Focus on Content

CBI — Content-based Instruction (of language)

- · Content acts as a vehicle for language learning
- Intended outcomes are language / performance oriented
- · Students are assessed on language learning outcomes
- · Content learning outcomes are peripheral or at a general knowledge level
- CBI approach often used in language classes by language teachers
- Also known as Content-based Language Teaching (CBLT)

CLIL — Content and Language **Integrated Learning**



Hard CLIL →



- · Classes have a dual focus, on both content and language learning
- Intended outcomes are language / performance and content oriented
- · Students are assessed on language and content learning outcomes
- · CLIL courses often taught by language teachers (Britain, Japan, South America) or content-specialist teachers (Europe)
- Also known as Integrating Content and Language in Higher Education (ICLHE) or Integrating Content and Language (ICL)

EMI – English-medium Instruction (of content)

- English acts as a vehicle for content learning
- Intended outcomes are content oriented
- · Language learning aims are implicit or incidental
- Students are assessed on content learning outcomes
- Language proficiency outcomes are peripheral
- · EMI courses often taught in content classes by subject content specialists



Core Principles

1

3

4

5

Language Objectives

Theoretical Understanding

Guiding Input

Supporting Output

Cognitive Development

Understand Language Barriers

Communicative & Academic Languages

Cummins'
Linguistic
Interdependence
Krashen's Input
Constructivism

Language Routine

Translaguage/

Code Switch

Authenticity

Visuals

Language Format

Text-task

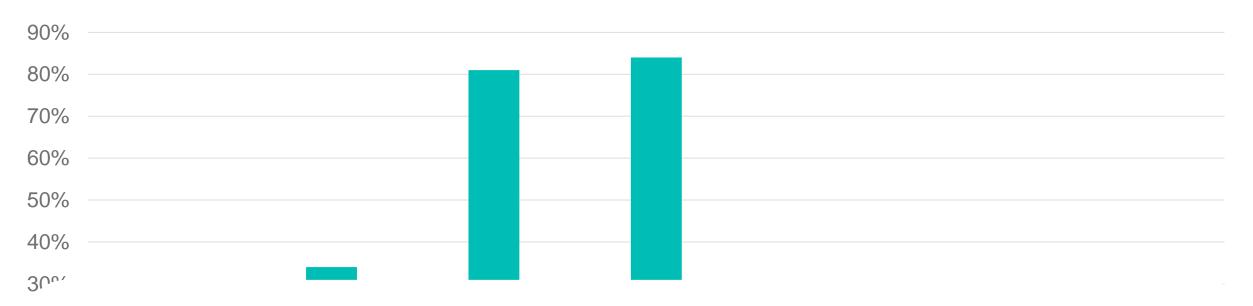
Procedure

Content Learning

High-order Thinking Skil

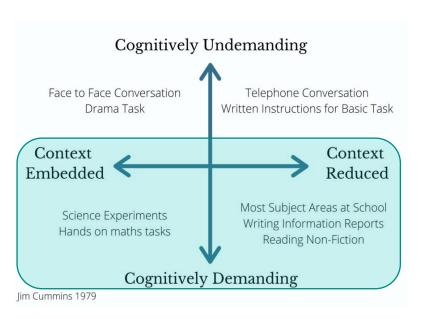


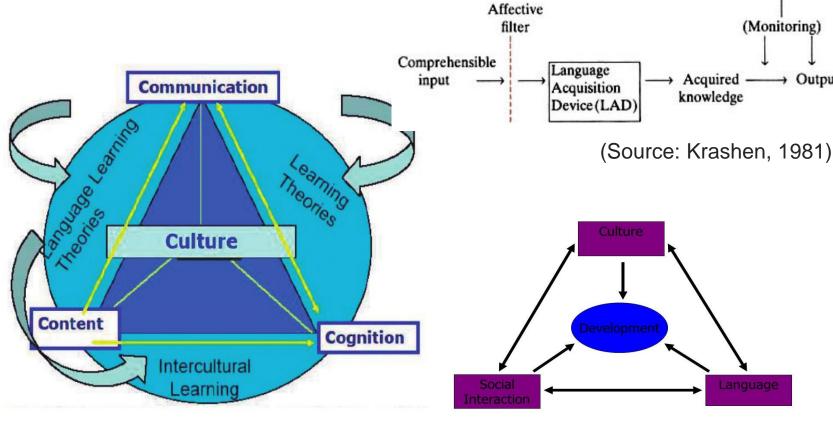
Key Challenges





Theoretical Understanding





(Source: Coyle, 1999)

(Source: Vygotsky's Social Theory of Development)

Learnt knowledge

→ Output



Key CLIL Strategies

- Scaffolding Language & Content Together
 - Use sentence starters, graphic organizers, and visual aids to support both content learning & academic language use.
 - Example: Instead of asking the definition, provide a sentence frame to highlight the key content.
 - Example: Instead of giving paragraph description, ask students to reorganise the steps of synapic transmission.
 - Guiding Input

Time	Topic content and teacher activity	Learner activity	Formative assessment					
15mins	Role of Neurotransmitters Explain neurotransmitter function, focusing on acetylcholine. Use sentence starters (e.g., "Acetylcholine helps").	Complete sentence starters, watch video, take notes. Discuss how neurotransmitters relate to neuron communication.	Fill-in-the-blank on neurotransmitter function.					
20mins	Mechanism of Synaptic Transmission Guide students through synaptic transmission steps using visuals, sentence structures (e.g., "First, Then").	Participate in sequencing activity, arrange steps in pairs. Use provided language frames to describe each step.	Pair work to arrange steps in correct order; oral explanations of steps using language frames.					
5mins	Introduction and Lesson Objectives Introduce the lesson topic and objectives. Highlight key vocabulary like "synapse," "presynaptic," "postsynaptic."	Listen actively, note key terms. Discuss initial thoughts on synapses, sharing prior knowledge in pairs.	Q&A on key vocabulary and understanding of objectives.					
10mins	Basic Structure of a Synapse Describe synapse structure, using diagrams to label to synaptic cleft, posts	Label diagrams individually, then discuss in small groups to check	Group feedback on synapse parts to reinforce vocabulary					



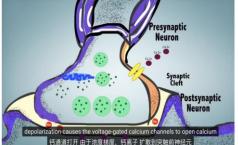
Axon hillock

['ækspn 'hɪlək]

•The space between the presynaptic neuron and the postsynaptic neuron is called the synaptic _____.

•The membrane on the receiving side of the synapse is known as the membrane.

 Neurotransmitters are stored in synaptic _____ within the presynaptic neuron.



Synaptic Transmission https://www.youtube.com/watch?v=zx46xADMIB

Feature	Voltage-Gated Channels	Ligand-Geted Channels
Triggering Mechanism	Open in response to changes in membrane potential	Open when a specific chemical ligand binds
Location	Primarily along the axon (axon hillock, nodes of Ranvier)	Located on the postsynaptic membrane at synapses

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Task: Arrange the following steps of synaptic transmission in the correct order:

A.Vesicle fuses with the presynaptic membrane, releasing acetylcholine (ACh) which diffuses across the synaptic cleft.

B. Recycling of ACh, catalyzed by acetylcholinesterase, breaks ACh into acetate and choline, stopping continuous action potential production.

C. Action potential arrives at the presynaptic neuron.

Choline moves back into the presynaptic neuron to form new ACh.

E. Na* ions diffuse through the postsynaptic membrane, depolarizing it and generating a new action otential.

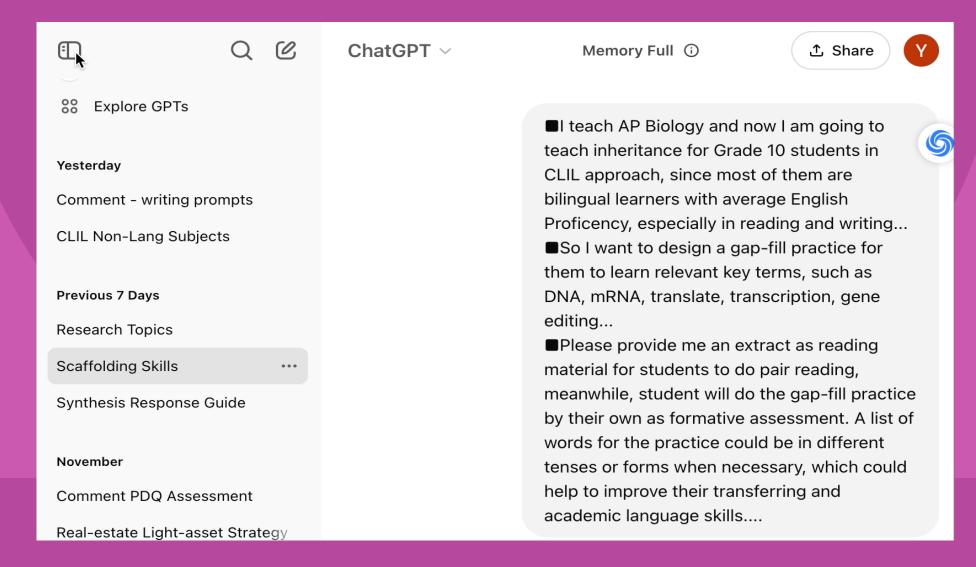
Ca* ions diffuse into the presynaptic neuron, causing vesicles containing ACh to move towards the

Temporarily, ACh binds to receptor proteins on the postsynaptic membrane, opening ion channels for to ons to enter.

a. Ca roll challies are opened, triggered by the action potential arriving at the presynaptic membrane



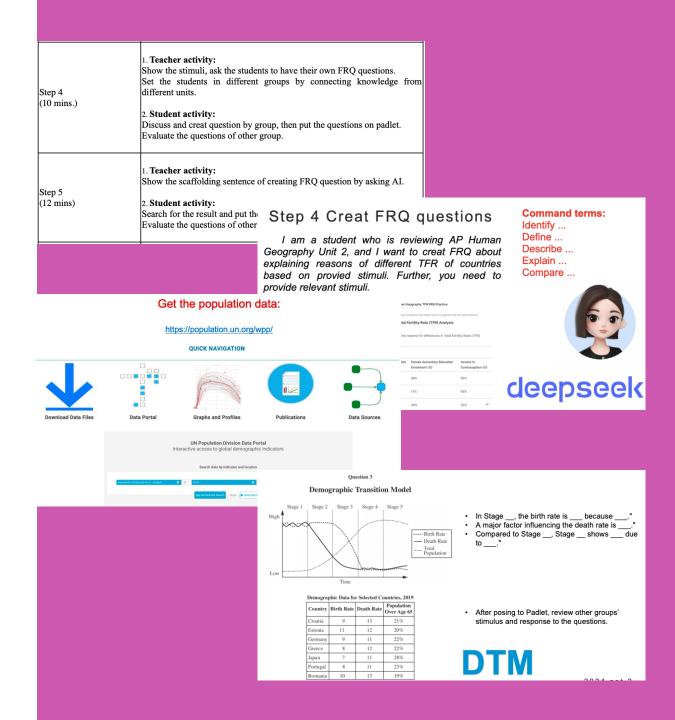
Sample - Biology





Key CLIL Strategies

- Making Learning Interactive & Multimodal
 - Engage students through group activities, Al tools, and real-world examples.
 - Example: Instead of providing textbook stimuli, search for information of different cutlural background
 - Case Study Jigsaw to structure each group studying one modal, providing frames for constrast and comparison
 - Supporting Output





Key CLIL Strategies

- Assessing Both Content & Language Progress
 - Generate formative assessments tailored to student performance.
 - Example: After a lesson on urban challenges, students complete a selfreflection card
 - "One thing I learned about ...(topic) today is...(content) The discourse I should practice is...(language skill)"
 - Differentiation

Section C: International option

Empire and the emergence of world powers, 1870-1919

3 Read the sources and then answer both parts of the question.

We wish in a spirit of good and mutual accord to regulate the conditions most favourable to the development of trade and civilisation in certain regions of Africa, and to improve the moral and material wellbeing of the native populations:

Article 1. The trade of all nations shall enjoy complete fre

Article 5. No Power shall be allowed to grant a monopoly

Article 6. All the Powers bind themselves to watch over I to care for the improvement of the conditions of their mo slavery, and especially the slave trade. They shall, with and favour all religious, scientific or charitable institutions bringing home to them the blessings of civilisation.

From the General Act of the Berlin Co.

Some time ago, a party of men came to my country. They asked me for a place to dig for gold and said they would give me certain things for the right to do so. A document was written and presented to me for signature. I asked what it contained and was told that in it were my words and the words of those men. I put my hand to it. About three months afterwards I heard from other sources that, by that document, I had given away the right to all the minerals of my country.

I called a meeting of my advisors and also of the white men and demanded a copy of the document It was proved to me that I had signed away the mineral rights of my whole country. I write to you that you may know the truth about this thing.

> From a formal protest to Queen Victoria by Lobengula, King of the Ndebele, April 1889. His protest was ignored.

Source C

The Scramble for Africa by the nations of Europe was due to growing commercial rivalry for the only remaining fields for industrial enterprise and expansion. There are some who say we have no right to be in Africa, that it 'belongs to the native'. Our right is the need to provide for our evergrowing population, by opening new fields for emigration or work, and to stimulate trade by finding new markets, since trade depression brings misery at home.

While serving our own interest as a nation, we may also bring many advantages to Africa without depriving the natives of their freedom. It has been the British colonial method to rule by and through the natives, in contrast to Germany, France, Portugal and Spain. This has been the secret of our

rose in revolt against other nations.

success as a colonising nation and has made us Source D

I have recently paid a visit, along with my wife, to Lukolela, and I saw such illegal and cruel deeds, that my blood boils with rage. My duty, which is truly the call of God, is to present this to you.

He was a British colonial administrator in Africa in ti I met a Chief from Bokoko, who had been imprisoned to get three more baskets of rubber. Their tax of rubber has been doubled this year. Poor fellow! How thin he had become! He was wearing his State Chief's medal. He asked me to look at it. 'This,' he said, 'is how the State treats us: gives this medal, chains up the wearer and beats him. Do you wonder, Sir, that the natives hate the State?' He then asked if we did that sort of thing in our country. I replied we did not.

> Again and again, I had the painful misfortune to meet men coming back from imprisonment on account of rubber.

Answer both parts of the question with reference to the sources.

eral of the Belgian Congo Free State, tish Baptist Missionary Society, 1903.

(a) Read Sources A and C.

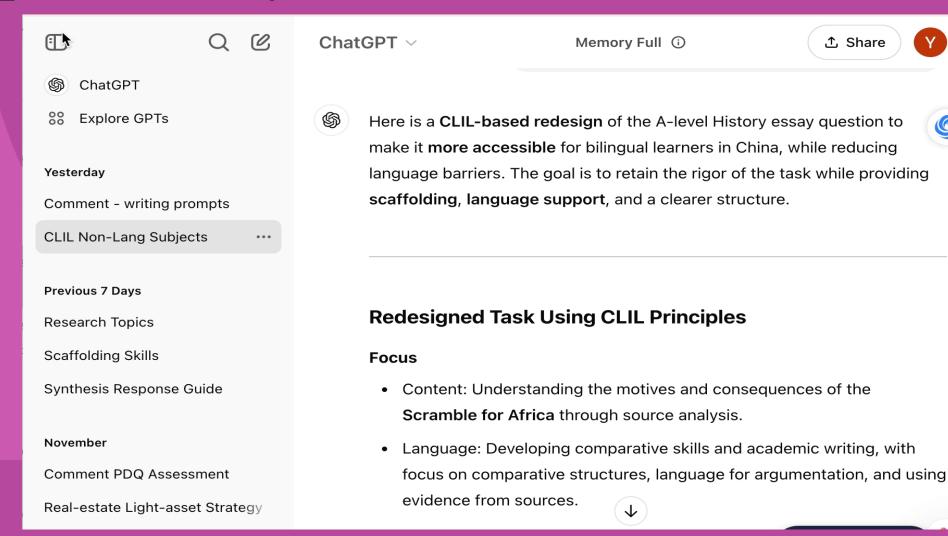
Compare and contrast these two sources as evidence about the motives for the Scramble for Africa.

(b) Read all of the sources.

How far do the sources support the view that people at the time believed that colonisation would be a disaster for the native populations?



Sample - History





Mini-CLIL Challenge

Task	:: Write	e on	e quest	tion or	discus	sion pro	ompt th	iat int	tegrate	es b	oth co	onto	ent
			_	learni	ing and	langua	ge supp	ort.					
Exan	iple: In	nste	ad of "V	What c	eauses d	deforest	ation?"	, use	"Defoi	rest	ation	oco	curs
			\mathbf{w}	hen	. Or	ne exam	ple is _		• • • •				
				P]	lease po	ost it on	Menti.	•					



Key Takeaway

- 3 CLIL Moves
 - Support content AND language with scaffolds (e.g., sentence frames, visuals).
 - Engage students with interactive, realworld tasks.
 - Assess both content & language development.
 - Was there a question where you answered 'No' or 'Sometimes'? What's one small thing you could try to support students more?





Every teacher is a language teacher. CLIL makes content accessible while improving students' language confidence!





Any questions?

- 1. Coyle, D., Hood, P., & Marsh, D. (2010). CLIL: Content and Language Integrated Learning. Cambridge University Press.
- 2. Gibbons, P. (2002). Scaffolding Language, Scaffolding Learning: Teaching English Language Learners in the Mainstream Classroom. Heinemann.
- 3. Wright, W. E. (2010). Foundations for Teaching English Language Learners: Research, Theory, Policy, and Practice. Caslon Publishing.
- Misconceptions in Learning: Bransford, J. D., Brown, A. L., & Cocking, R. R. (2000). How People Learn: Brain, Mind, Experience, and School. National Academy Press.
 Hattie, J., & Timperley, H. (2007). The Power of Feedback. Review of Educational Research.



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