





A sample lesson plan for CLIL LOTE transitions - To be used in the language classroom and/or in other subjects

Subject: Math, topic: subtraction Level: Kindergarten -Pre A1 (5 year old students) Duration: 1 hour

This is a lesson plan designed for a kindergarten classroom at Odyssey Charter School (OCS), where the students are approximately five years old. In this classroom, the instructional focus is on mathematics, which is taught in the Greek language. It's important to note that for most of these students, English is their native language, and Greek is being introduced as a foreign language. In this lesson, students will use the Greek Language to discuss about math concepts such as subtraction and will collaborate to solve math problems together.

Main learning objectives for language learning:

- Use target language to solve math problems using subtraction.
- Demonstrate understanding by following directions.
- Language for learning: minus, equals, all together, take away
- Forming sentences in target language to describe the steps they follow to subtract.

Main learning objectives for content learning:

- Understand the strategy of subtraction by using different ways to solve the same math problem
- Main learning objectives for plurilingual education:
- Students work together and use both the target and their home languages, to solve math problems.

Daryai-Hansen Petra (et al.) (2023), CLIL in languages other than English – Successful transitions across educational stages, Council of Europe (European Centre for Modern Languages), Graz, available at www.ecml.at/CLILLOTEtransitions.



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Learning objectives for language	Icons	Activities	Tools/resources
for plurilingual education			
Language Objectives:		Activity 1	- Projector
- Use target language to solve math problems using		The teacher draws attention to the stars	- Whiteboard
subtraction.		that students have accumulated. These	- Worksheets 1 and 2
- Use academic vocabulary.		stars are magnetically affixed to the	- Videos
such as terms to talk about		classroom's whiteboard and serve as a	- Playdough
subtraction, as well as numbers to solve math		visible indicator of their performance.	
problems.		Each day, students commence with 10	Worksheet 1
		stars, understanding that for exemplary	
Content Objectives:		adherence to instructions, the teacher	Worksheet 2: exit ticket
- Use materials to depict the		may deduct a few stars. When they reach	
steps for subtraction.		zero stars, they become eligible for some	
- Write math equations on white boards.		free playtime.	
- Completing worksheet			
		Then, the teacher passes 10 cubes to	
		each student and asks students to count	
		them "110". She takes 4 stars away	
		and asks students to take 4 cubes away	



as she writes: $10 - 4 = 0$ on the
classroom's whiteboard.
She asks students to count how many
cubes are left and by raising their cubes
cubes are left and by faising their cubes
up to say the whole sentence in Greek
e.g., "ten minus four equals six". She
continuous with the cubes left and takes
more out (e.g., she takes 2 more out) and
asks students to repeat the same process
by saying the whole subtraction sentence
in Greek.
Activity 2
The teacher asks students to pick a
marker (pick a color), an eraser and a
dry erase pocket sleeve and go back to
their sign seats. She writes a math
equation on the whiteboard and asks
them to do the same on their dry erase
pocket sleeves (e.g., $10 - 5=$). For every



	numeral she writes, the teacher makes a	
	drawing. For example, she makes 10	
	little happy kids and says that five went	
	home so she crosses them out.	
	She asks students to make similar	
	drawings and remind them that since 5	
	kids leave, they will also need to cross	
	them out. The teacher expects students	
	to count the remaining kids and give the	
	whole answer in Greek "ten minus 5	
	equals 5" and raise their dry erase	
	pockets so that the teacher can check	
	their answers.	
	She repeats the same process with	
	different equations and ask students to	
	give their own feelings to the kids they	
	draw.	
	The teacher walks around the classroom	
	and provides students with help when	
	she sees that they need it.	
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	Activity 3 Students put the materials back into their	
	baskets and go back to their seats.	
	The teacher passes worksheets with	
	subtraction problems and number bond	
	templates and helps students understand	
	where to write each number and how to	
	solve each problem (by using their	
	finger or by making drawings).	
	Students start filling this worksheet out	
	with their teacher as a whole group but	
	gradually, the teacher gives them more	
	time to do the last parts by themselves	
	and supports them whenever they need it	
	since she walks around. After that	
	activity, students put their materials	
	back and they might need a 5 min break.	
	Activity 4	



The teacher divides students in small	
groups of three and passes in each	
group: a marker, an eraser and a dry	
erase pocket sleeve with a number bond	
template, ten cubes and another dry	
erase pocket sleeve with the form:	
_ =	
She presents a math problem and asks	
students to work together as a group to	
solve this problem by using the	
materials given (e.g., 5-2=_).	
The students work together and use both	
the target and their home languages to	
solve math problems.	
The teacher walks around to make sure	
that all students have the opportunity to	
contribute on the math problem solution	
and whoever is done has a 5 -7 min	
break.	
Activity 5	



	The teacher gives an exit ticket (a small	
	evaluation), where students are asked to	
	solve similar math problems	
	individually and when they are done,	
	they give them to their teacher.	

Final products that, e.g., could be added to the students' portfolio (dossier):

The students' worksheets.

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