

Lesson (title) MECHANICS	Subject/Topic: Measuring length
Language competence level A1 x A2 <input type="checkbox"/> B1 <input type="checkbox"/> B2 <input type="checkbox"/> C1 <input type="checkbox"/>	Prerequisites / requirements: (e. g.: language or content revision use of L1 in specified teaching segments) Revision: die Zahlen, die Länge, die Breite, die Höhe, das Buch, das Heft, das Pennal, die Bank. New: das Lineal, das Bandmaß, das Schneider-Maßband , der Zollstock , breit, lang, hoch, das Meter das Gerät, brauchen , messen.
Class/grade: 5 Number of students in class: 33	Age of students: 10-11 Duration of lesson(s): 50min
Content of lesson: Measuring lengths using appropriate measuring instruments.	
Teaching aims/objectives Content: Acquiring skills to properly use a tool for measuring lengths Communication: Describing the process of measuring, formulating questions and answers about the outcomes of measurements in German Cognition: Making connections between physical measurements and appropriate measuring instruments, formulating hypotheses and conclusions, reasoning Culture/citizenship: Teamwork, cooperation, presentation, development of measurement instruments with useful knowledge on the development of measuring instruments	

FL/STEM lesson planning template
(content, communication, cognition, culture)

phase time	Content	Objective/Competence („can-do“ statements)	Student activity	Social form/ setting	Material, media, mobile lab	Language: subject specific terminology	Language: communication & interaction	Teacher activity	Notes, comments on processes & outcomes = including affective outcomes, (self-) evaluation
trigger 5min		updating and activating prior knowledge	listening and answering questions- complete worksheets	plenary, individually	computer, projector	die Zahlen, die Länge, die Breite, die Höhe, das Buch, das Heft, das Pennal, die Bank, haben, sein	simple sentences with known words Was ist das? Das ist das Heft/die Bank/dasBuch. Das ist die Breite des Heft	- splitting files for Bingo and sheet 1 -extracting numbers for Bingo	Filling the Bingo sheet Filling sheet 1 ex.2,3,4
hypothesis 10min	instruments for measuring lengths	identifying instruments for measuring length	Watching images with tools. -identifying instruments for measuring lengths	plenary, individual	computer, projector	lang, breit, hoch, das Lineal, das Bandmaß, das Schneider-Maßband, der Zoll stock,das Meter brauchen, messen	Ich messe die Länge des Hefts. Ich messe die Breite. Ich brauche ein Lineal Wie lang ist die Bank? Die Bank ist.....cm lang.	asking questions Introducing the new vocabulary	students fill Sheet 1 ex. 1
experimentation, (processes, results)	Utilizarea instrumentelor pentru masurarea	Experiment Experiment	masoara cu rigla si ruleta lungimi, latimi, inaltime	Grupe Groups	trusa de mecanica Mechanical kit	ruleta , rigla, caiet, banca, measuring tape, ruler	masurare corecta / masurare incorecta	- supravegheaza clasa si acorda scriin elevilor	-noteză rezultatele masuratorilo

FL/STEM and the domains of the 4Cs

C1	Content / Learning outcomes	<p>"know" (content):</p> <p>"be able to" (content, communication):</p> <p>"be aware" (content, cognition):</p>
C2	Communication: Language learning & Interaction	<p>Vocabulary (revisited)</p> <p>Vocabulary (new): subject matter specific (CALP)</p> <p>Vocabulary (new): general (BICS)</p> <p>Structures (focus on grammar)</p> <p>Language functions (information, argumentation, questioning, reasoning)</p>
C3	Cognition / cognitive processing: LOTS & HOTS	<p>Remembering / Identifying</p> <p>Comparing</p> <p>Classifying</p> <p>Predicting</p> <p>Reasoning</p> <p>Synthesizing / creating</p>
C4	Culture / Community	<p>Awareness (of scientific topic as relevant for the culture / community)</p> <p>Involvement (project continuation outside of classroom)</p> <p>Communication (proliferation of scientific results in community)</p>