

CLIL LESSON PLAN FOR SUBJECT: Math

DEVELOPER: Claudia Ispas

TOPIC: Math is music, music is math

GLOBAL GOAL: Learn about fractions, symmetries and fractals using musical notes and rhythms

AGE OF STUDENTS: 11-14

LEVEL: A2/B1

TIMING: 60 min

Aims	
<ul style="list-style-type: none"> • SS will practice addition of fractions represented as musical notes • SS will be able to identify fractals • SS will be able to recognise the similarities and differences between different types of symmetries 	
TEACHING OBJECTIVES (What I plan to teach)	
Content	
<ul style="list-style-type: none"> • Basic addition of fractions • Basic fractals • Basic musical notes 	
Cognition	Culture
<ul style="list-style-type: none"> • Understanding the similarities between addition of fraction and addition of musical notes • Comparing/reaching conclusions • Researching/presenting information 	<ul style="list-style-type: none"> • Knowing an Austrian composer
Language and Communication	
Language of learning	Language for learning
<ul style="list-style-type: none"> • Content-obligatory and content-compatible language <p>key vocabulary: rhythm, note, whole, half, quarter, eighth, sixteenth, symmetry</p>	<ul style="list-style-type: none"> • Language to guess, to conclude, to justify • Language to compare thinking and answers • Checking and giving feedback
LEARNING OUTCOMES (What learners will be able to do by the end of the lesson/s)	
<p>By the end of the unit, the learners will be able to:</p> <ul style="list-style-type: none"> • Discuss about the relation between math and music • Name the fractions, • Recognise symmetry and fractals in nature, mathematics and real life • Express reasons why mathematics does not stand alone and that is actually integrated in our lives. 	
Assessment Methods/Tools	
<ul style="list-style-type: none"> • Assess Ss knowledge when the two tree charts are produced and displayed • Assess Ss knowledge when they complete the musical math sentences followed by self assessment • Assess Ss knowledge when they complete the fractals worksheet. 	