

CLIL LESSON PLAN FOR SUBJECT: Science

DEVELOPER: Joanne Gillespie

TOPIC: Atoms and Molecules

GLOBAL GOAL: Students will be able to explain the relationship between atoms and molecules

AGE OF STUDENTS: 9-10

LANGUAGE LEVEL: A2/B1

TIMING: 45 mins

Aims	
<ul style="list-style-type: none"> Students will know that atoms are the building blocks of all matter Ss will be able to name the parts of an atom Ss will be able to explain how molecules are formed Ss will be able to differentiate between atoms and molecules Ss will be able to define and illustrate atoms and molecules 	
TEACHING OBJECTIVES (What I plan to teach)	
Content	
<ul style="list-style-type: none"> What atoms look like The parts of an atom How atoms bond to form molecules How scientists model atoms and molecules The Periodic Table 	
Cognition	Culture
<ul style="list-style-type: none"> Comparing different atoms Comparing different molecules Identifying atoms and molecules Interpreting the Periodic Table 	<ul style="list-style-type: none"> Ancient Greek scientists Cooperative learning skills Teamwork skills
Language and Communication	
Language of learning	Language for learning
<ul style="list-style-type: none"> Comparative forms Numbers 1-50 Language to describe differences Past tenses Passive constructions <p>key vocabulary: atom, electron, neutron, proton, to orbit, nucleus, weight, chemist, physicist, laboratory (labs), element, shell, valence, bond (v., n.), reaction, share</p>	<ul style="list-style-type: none"> Asking and answering questions from evidence Following written instructions Language for groupwork Reading comprehension
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"> Describe the structure of an atom, using correct vocabulary Order protons, neutrons, electrons, quarks from largest to smallest Describe how electron sharing in the valence shell creates molecules Visually represent atoms and molecules 	
Assessment Methods/Tools	
<ul style="list-style-type: none"> Discussion Completing diagram of atomic structure Participation in group activity (making an atom with our bodies) 	

- Correct visual representation of atoms and molecules using craft materials
- Ability to verbally describe a particular molecule, and explain the process of electron sharing in the valence shell