

Atoms

Level: intermediate (intermediate plus) B1/ B1+

Time: 45 minutes

Aims:

- To learn or revise vocabulary connected with physics
- To learn about atoms
- To develop reading and comprehension skills
- To develop speaking skills

Language functions:

- To describe atoms
- To talk about physical processes
- To talk about our daily routines
- To discuss the influence of atoms on our life.

CLIL: Chemistry, Physics and IT

Materials: Worksheets and web pages

STAGE	AIMS	PROCEDURE	TIME	MATERIALS
Warm-up activity	The aim of this task is to get students interested in the topic and to get them to talk about atoms and physics.	<p>To get students interested in the topic ask them following questions:</p> <ul style="list-style-type: none"> Do you know why fires are different colours? How is the electricity produced? What does playing CDs have to do with lasers? <p>Allow some time for short discussion and try to elicit the correct answer: atoms.</p> <p>Next ask your student to make a mind map of the word atom- to connect all the ideas they can think of.</p> <p>Students can work in pairs or small groups. Check their answers and make a map on the board. (Each group/pair can add some other ideas to the mind map).</p>	7-10 min	
Main part of the lesson	To get students interested in the topic and to check/develop their physics vocabulary	<p>1.Introduction :</p> <p>Tell your students to go to page : http://www.chem4kids.com/files/atom_intro.htm</p> <p>And read a short article about atoms. Make sure your student understand the text and vocabulary. Before reading, you may give a short glossary (worksheet A) and check if they understand the key words.</p>	5-8 min	<p>http://www.chem4kids.com/files/atom_intro.html</p> <p>worksheet A</p>
	To help students to describe different physical reactions	<p>2.Video</p> <p>Go to page : https://www.youtube.com/watch?v=s2Ho8seXwQg and watch a short film about a stars turn inside out by NASA.</p>	5 min	<p>https://www.youtube.com/watch?v=s2Ho8seXwQg</p>

	To learn some facts about atoms.	<p>3.Vocabulary – atoms Tell your students to go to page : http://www.chem4kids.com/extras/quiz_atomintro/index.html And do a short online quiz about atoms. There are 8 questions concerning atoms. The answers are given on the page. Check if students know the meaning of the words, if not try to explain them. Next students compare their own results. The winner of the quiz may get a small prize.</p> <p>4. Revision Give out Worksheet B. Students can work in pairs or individually. Then check the answers and give students a point for each correct answer and find out which pair/group gets the best score. As a follow-up do the quick exercise – Worksheet C (a word search) with all the words used during the lesson.</p>	10 min	http://www.chem4kids.com/extras/quiz_atomintro/index.html Worksheet B
			7 min	Worksheet C
Wrap-up	To revise the material.	Teacher asks students about some words which were used during the class and checks if students remember some facts from the lesson by doing another task – Worksheet D.	5 min	Worksheet D

Credits:

http://www.chem4kids.com/files/atom_intro.html

<https://www.youtube.com/watch?v=s2Ho8seXwQg>