

Atoms and particles

TOPIC : atoms, particles, physics, difference, element, molecules

LEVEL : intermediate/ upper intermediate

Time : 45 minutes

Objectives:

- to learn or revise vocabulary connected with chemistry
- to learn about atoms and elements
- to develop reading, speaking and listening comprehension skills
- to enable students use the Internet to gather specific information

Language functions:

- to exchange ideas chemistry
- to understand listening material and a written text
- to communicate in English

CLIL: Chemistry, IT Technology

MATERIALS: web sites, worksheets,

For this lesson, you will need:

- Computer with Internet access

STAGE	AIMS	PROCEDURE	MATERIALS/ RESOURCES	TIME
WARM UP	<ul style="list-style-type: none">-to get students interested in the topic-to encourage them to work in pairs	PAIR WORK Sts work in pairs. They are given a handout (worksheet 1) with some questions on studying. They take turns and ask each other questions. They are encouraged to ask follow up questions to get more details.	Worksheet 1	5 min
MAIN PART OF THE LESSON	<ul style="list-style-type: none">-to develop listening and reading comprehension skills-to learn about atoms, elements, compounds and mixtures	LISTENING Sts are asked to give a definition of an atom or an element. They are told they are going to watch a short video on a you tube channel titled Atoms, elements, compounds & mixtures explained where they will get a simple explanation of atoms, elements, compounds and mixtures using lego. While listening they are supposed to answer some questions (worksheet 2)	Worksheet 2 https://www.youtube.com/watch?v=gr-3j9tOJqM	5 min

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	<ul style="list-style-type: none"> -to revise vocabulary - to revise basic knowledge about atoms 	ONLINE QUIZ Sts are asked to go to the following website http://www.bbc.co.uk/bitesize/quiz/q13129752 and complete a quiz on atoms and elements. After finishing the task, they are asked to share their score with the rest of the class.	http://www.bbc.co.uk/bitesize/quiz/q13129752	10 min
	<ul style="list-style-type: none"> - to develop reading comprehension, vocabulary, and summarizing skills - to enable sts use the Internet to gather information 	WEBQUEST Each student receives a handout (worksheet 3) with a number of questions they have to complete and a list of websites they can visit to answer them. They are told that they can visit different websites as well. After accomplishing the task, students present their findings to the rest of their classmates.	worksheet 3 http://www.lcps.org/cms/lib4/VA01000195/Centricity/Domain/12702/Webquest%20%20Scientists%20Atom%20Answers.pdf	20 min
WRAP - UP/ CLOSURE	<ul style="list-style-type: none"> -to revise vocabulary which sts came across during the lesson 	WORDSEARCH PUZZLE Students get worksheet 4 with a word search featuring words related to atoms and elements. If time does not allow to do it in the classroom, they will do it as their homework.	Worksheet 4	5 min

SOURCES

<https://www.youtube.com/watch?v=gr-3j9tOJqM>

<http://www.bbc.co.uk/bitesize/quiz/q13129752>

<http://busyteacher.org/wordpuzzle/>

<http://www.lcps.org/cms/lib4/VA01000195/Centricity/Domain/12702/Webquest%20%20Scientists%20Atom%20Answers.pdf>