Chemistry

Level: upper -intermediate (B2)

Time: 45 minutes

Aims:

- To learn or revise vocabulary connected chemistry
- To learn about famous chemists
- To learn about chemistry branches
- To develop reading skills
- To develop speaking skills
- To use the Internet to look for information

Language functions:

- To describe chemistry branches
- To talk about famous scientists
- To talk about famous discoveries related to chemistry
- To discuss the influence of chemistry on our daily life.

CLIL: Chemistry

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 chemistry. To learn some words related to chemistry.	Start your lesson by showing your students different pictures (slideshow). All these pictures are related to chemistry. Ask your students these questions: • Why do we use suntan lotions? • What makes firework so beautiful? • Have you ever had a fizzy drink that lost its fizz? Allow some time for a short discussion and then tell your students that today's topic is chemistry. Ask your student to do the task – Worksheet A to check their understanding of some words related to chemistry. Check their answers. Explain any difficult words.	2-3 min 8 min	Worksheet A
Main part of the lesson	To get students interested in the topic and to check/develop their vocabulary	**1. Brainstorming**. Put students into pairs or small groups and give them Worksheet A. Students try to decide if the statement are true or false. First they do it pairs/ groups, then tell your students to use online resources to check their ideas. Then groups/pairs compare their answers. Check to see if they have got correct answers. (T's notes)	10 min	Worksheet B

Chemistry

	To help students to recognize 5 main chemistry branches. To do the research. To present the material. To learn some facts about famous chemists and their discoveries.	**2. Tutorial** **Chemistry branches** Ask your students if they can name 5 main branches of chemistry. Make a list of possible answers on the board and tell them to go to page : http://www.chemistry2011.org/branchesofchemistry And check their ideas. Divide your students into 5 small groups and give each group one of chemistry branches. Ask them to find out some facts about each branch. Give your students about 10 minutes to do this task. Next ask each group to present their findings to the rest of the class. Make sure your students take some notes while listening to each other. **Famous scientist** Ask your student to name any famous chemists they can. Try to make a top 5 list. Allow some time for a short discussion. Make sure the list includes the following names : • Marie Skłodowska- Curie • Louis Pasteur • John Dalton • Michael Faraday • Alfred Nobel. . Then tell your students to go to page : http://famouschemists.org/ And read short texts about these chemists.	15 min (with presentation) 10 min	http://www.innerbody.com/anatomy/muscular-male
Wrap-up	To summarize the material covered during the lesson. To discuss the project.	Tell your students to prepare a webquest about famous chemists. Each group gets one scientist to research. Students can work in the same groups as they did during the lesson. Allow 2-3 weeks to do the project.	2 min	

Sources:

http://www.chemistry2011.org/branchesofchemistry

http://famouschemists.org/

Credits:

Interactive games and information: www.getbodysmart.com/ap/muscularsystem/