

Is plastic all bad

Class: Intermediate/ upper intermediate

Time : 45 minutes

Aims:

- To learn about plastic
- To learn about plastic production process
- To learn about plastic biodegradation
- To discuss plastic bags and plastic bottles alternatives
- To propose plastic bottles re-use ideas
- To learn vocabulary connected with ecology
- To look for specific information on the internet
- To read for specific information
- To transfer the information.
- To use web pages

CLIL: Ecology, Biology, Geography, Chemistry

Materials : included photocopies, access to the internet and personal computer, speakers.

STAGE	AIMS	PROCEDURE	CLASSROOM LANGUAGE	TIME	MATERIALS
Introduction	To start the lesson	Check the register /check homework		1 min/ 6 min	
Warm-up activity	To provide students with introduction to the topic	Start a class discussion about plastic.	Think of all the everyday things we use that are made of plastic. What are they ? Can you think of any alternatives for those objects that are made from natural materials?	5 min	
The main part of the lesson	Too learn what plastic is	Ask the students to go online and read about plastic. Tell the students to look for the most important information. Monitor the time and as the students to swap information with a partner.	Go online and look up what plastic is. http://your.caerphilly.gov.uk/kidsgogreen/fact-zone/plastic-facts http://www.wisegeek.org/how-is-plastic-made.htm http://www.highlightskids.com/science-questions/how-plastic-made-petroleum	7 min	Worksheet 1 Internet
	To learn about plastic biodegradation	Ask the students how long it takes for plastic bags and bottles to biodegrade. Write the numbers on the board then tell them to go online and find out. See who was the closest.	We use a lot of plastic bottles and plastic bags. Check how long does it take for these containers to decompose. http://science.howstuffworks.com/science-vs-myth/everyday-myths/how-long-does-it-take-for-plastics-to-biodegrade.htm http://des.nh.gov/organization/divisions/water/wmb/coastal/trash/d	3 min	

Is plastic all bad

			documents/marine_debris.pdf		
	To learn how to swap plastic bags for linen. To design a linen shopping bag.	Ask the students to come up with any ideas to reduce the use of plastic bags. Collect the ideas and write them on the board. Ask the students to go online and read about the campaign. Are they ideas similar? Ask the students to work in pairs and design a linen shopping bag.	Go online http://stopplasticbagsnow.weebly.com and read about a campaign to stop the use of plastic bags. Do you have any ideas how to reduce the use of plastic disposable bags when we go shopping? Design a linen bag you would love to go shopping with.	10 min	
	To learn how to reduce plastic bottles	Ask the students to come up with any ideas to reduce the use of plastic bottles. Collect the ideas and write them on the board. Ask the students to go online and read about the campaign. Are they ideas similar?	How can we stop using plastic bottles? Try to come up with some ideas in pairs. http://www.banthebottle.net/articles/10-startling-facts-about-bottled-water/	10 min	
Wrap-up	To collect ideas how to use plastic bottles	Ask the students to come up with ideas how we can use empty plastic bottles. Brainstorming. Ask the students to go online and read about Uganda.	there are some great uses of plastic bottles. Can you come up with some ideas how to reuse your plastic bottle? Watch a video about a clever use of plastic bottle in Uganda: http://www.youtube.com/watch?v=RghshcPU7I0 and take notes.	10 min	

Sources:

<http://your.caerphilly.gov.uk/kidsgogreen/fact-zone/plastic-facts>

<http://www.wisegeek.org/how-is-plastic-made.htm>

<http://www.highlightskids.com/science-questions/how-plastic-made-petroleum>

<http://science.howstuffworks.com/science-vs-myth/everyday-myths/how-long-does-it-take-for-plastics-to-biodegrade.htm>

http://des.nh.gov/organization/divisions/water/wmb/coastal/trash/documents/marine_debris.pdf

<http://stopplasticbagsnow.weebly.com>

<http://www.banthebottle.net/articles/10-startling-facts-about-bottled-water/>

<http://www.youtube.com/watch?v=RghshcPU7I0>