

Topic/language idea: Bees.

Class: Middle school/high school

Level: Upper-intermediate.

Time: 45 minutes

Aims:

- To learn about bees, their anatomy, structure of a bee colony
- To learn vocabulary connected with insect anatomy
- To look for specific information on the internet
- To read for specific information
- To transfer information.
- To use web pages

CLIL: ecology, biology

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		1-6 min	
Warm-up activity	To provide students with introduction to the topic	Ask the students to look at the quote of A. Einstein and think what it means, elicit answers and students ideas.	"If the bee disappeared off the surface of the globe, then man would have only four years of life left" Albert Einstein	5 min	
The main part of the lesson	To learn about insects- bees , their anatomy and morphology	Ask the students to go online and complete the bee morphology. Make sure you pay attention to proper pronunciation. You might try to ask the students to translate the words to Polish.	Go to http://www.buzzaboutbees.net/honey-bee-anatomy.html and complete the bee morphology	10 min	Worksheet 1 Internet
	To learn about the morphology of bees, function of their body parts.	Divide the class into pairs and ask them to go online, read the information and complete the chart in exercise two.	<i>Proboscis, eyes, antennae, the sting, honey stomach</i>	10 min	
	To learn about the bee colony and the hierarchy	Students work in three groups, each prepare information about the queen, the drones or the workers, then present to the rest of the class		15 min	
Wrap-up	Set homework	To learn expressions and idioms with bees and honey	Ask the students to look for expressions and idioms with bees and honey	2 min	

Sources:

<http://www.buzzaboutbees.net/honey-bee-anatomy.html>

<https://agdev.anr.udel.edu/maarec/honey-bee-biology/the-colony-and-its-organization/>

<http://www.biology-resources.com/bee-01.html>