

Plant adaption to different habitat

Topic/language idea: Plant adaptation to different habitat.

Class: Middle school/high school

Level: Intermediate/ upper-intermediate.

Time : 45 minutes

Aims:

- To learn about adaptation.
- To learn about plant adaptation to different environment.
- To learn about plant structure, pollinators and seed dispersal.
- To look for specific information on the internet.
- To read for specific information.
- To transfer the information.
- To use web pages.

CLIL: biology, geography

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	Ask the students to watch a short film about adaptation and answer the questions. Check the answers as a class.	What is adaptation? Can you think of any examples of plant adaptation ? What do plants adapt to ? Watch the film and answer the questions : http://studyjams.scholastic.com/studyjams/jams/science/plants/plant-adaptations.htm	5 min	
The main part of the lesson	To learn about different types of adaptation depending on the habitat. To look for information and present it to the class.	Put the students into five groups and give each group a task. Monitor students' work and their progress.	Plants can adapt to the environment they live in, but also they know how to attract pollinators or come up with clever ways to spread their seeds. Your teacher will put you in groups and give you a task.	15 min	Worksheet 1 Internet

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	To present to the class the information from the web.	Allow each group to present their type of adaptation to the class.	Students' own presentations	20 min/ 5 min per group	
Wrap- up	To summarise the facts from the lesson	As a homework ask each student to write three questions about plant adaptation. Use the questions as a warm- up quiz at the start of the next lesson.		2 min	

Sources:

<http://studyjams.scholastic.com/studyjams/jams/science/plants/plant-adaptations.htm>

<http://www.bbc.co.uk/nature/adaptations/Pollinator>

<http://www.mbgnet.net/bioplants/pollination.html>

<http://www.biologie.uni-hamburg.de/b-online/ibc99/koning/pollenadapt.html>

http://www.exploringnature.org/graphics/seed_dispersal_activity.pdf

<http://www.mbgnet.net/bioplants/seed.html>

<http://www.nku.edu/~whitsonma/Bio120LSite/Bio120LReviews/Bio120LPlantRev.html>

http://biology.unm.edu/ccouncil/Biology_112/Summaries/Plant_Adaptations.html

http://www.desertusa.com/du_plantsurv.html

http://www.countrysideinfo.co.uk/wetland_survey/adaptns.htm

https://www.princeton.edu/~achaney/tmve/wiki100k/docs/Aquatic_plant.html

http://www.ehow.com/about_6331322_plant-adaptation-life-water.html

http://botany.org/Carnivorous_Plants/

http://www.ehow.com/about_6563171_carnivorous-plant-adaptations.html