

## Animal adaptation

Topic/language idea: Animal adaptation.

Class: Middle school/high school

Level: Intermediate/ upper-intermediate.

Time : 45 minutes

Aims:

- To learn about animal adaptation
- To learn about animal adaptation to the environment
- To learn about animal locomotion as a sign of adaptation
- To look for specific information on the internet
- To read for specific information
- To transfer the information.
- To use web pages, work in a group.

CLIL: Geography, 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 min/ 6 min	
Warm –up activity	To provide students with introduction to the topic	Ask the students about adaptation . What do they know about it ? Why is it important ?	All living organisms have to adapt to survive.  Why ? What is adaptation ? Try to write a short definition of adaptation.	5 min	
The main part of the lesson	To learn about extreme habitat types .  To learn about animal adaptation to extreme habitat.	Group work.  Ask the students to go online and find the examples of animal adaptation to extreme environment.  Monitor the time closely and check the answer after each task.	Let's have a look at animal adaptation to their habitat first. Go to <a href="http://resources.woodlands-junior.kent.sch.uk/home-work/adaptations/desert.htm">http://resources.woodlands-junior.kent.sch.uk/home-work/adaptations/desert.htm</a>  <a href="http://www.bbc.co.uk/nature/adaptations/Desiccation_tolerance">http://www.bbc.co.uk/nature/adaptations/Desiccation_tolerance</a>  <a href="http://www.bbc.co.uk/nature/adaptations/Psychrophile">http://www.bbc.co.uk/nature/adaptations/Psychrophile</a>  <a href="http://www.bbc.co.uk/nature/adaptations/Thermophile">http://www.bbc.co.uk/nature/adaptations/Thermophile</a>  and find information and examples of animal adaptation to these three extreme habitats.	10 min	Worksheet 1  Internet

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	To learn about animal adaptation to different ways of locomotion.	Divide the class into 6 groups, set a task for each group, ask the students to read information and prepare a short presentation.	Animals also adapted to different ways they move. In 6 groups prepare a short presentation about animal adaptation to different ways of locomotion.  <a href="http://www.bbc.co.uk/nature/adaptations/Climbing">http://www.bbc.co.uk/nature/adaptations/Climbing</a> <a href="http://www.bbc.co.uk/nature/adaptations/Flight">http://www.bbc.co.uk/nature/adaptations/Flight</a> <a href="http://www.bbc.co.uk/nature/adaptations/Gliding_%28flight%29">http://www.bbc.co.uk/nature/adaptations/Gliding_%28flight%29</a> <a href="http://www.bbc.co.uk/nature/adaptations/Jumping">http://www.bbc.co.uk/nature/adaptations/Jumping</a> <a href="http://www.bbc.co.uk/nature/adaptations/Running">http://www.bbc.co.uk/nature/adaptations/Running</a> <a href="http://www.bbc.co.uk/nature/adaptations/Aquatic_locomotion">http://www.bbc.co.uk/nature/adaptations/Aquatic_locomotion</a>	7 min	
	To present students own work to the class	Allow for each group to present their information to the rest of the class	Students' presentations	20 min	
Wrap- up	To prepare introduction to the next lesson	Set homework	Think about camouflage as an example of adaptation. Can you think of any animals that use camouflage ? Find out what mimicry is.	2 min	

Sources:

<http://resources.woodlands-junior.kent.sch.uk/homework/adaptations/desert.htm>

[http://www.bbc.co.uk/nature/adaptations/Desiccation\\_tolerance](http://www.bbc.co.uk/nature/adaptations/Desiccation_tolerance)

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

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

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

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

[http://www.bbc.co.uk/nature/adaptations/Gliding\\_%28flight%29](http://www.bbc.co.uk/nature/adaptations/Gliding_%28flight%29)

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

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

[http://www.bbc.co.uk/nature/adaptations/Aquatic\\_locomotion](http://www.bbc.co.uk/nature/adaptations/Aquatic_locomotion)