

## Animal survival techniques

Topic/language idea: Animal survival techniques.

Class: Middle school/high school

Level: Intermediate/ upper-intermediate.

Time : 45 minutes

Aims:

- To learn about adaptation and survival technique
- To learn about food storage as a survival technique adopted by animals
- To learn about hibernation as a survival technique adopted by animals
- To learn about migration as a survival technique adopted by animals
- To learn about predation defense as a survival technique adopted by animals
- To learn about shedding body parts as a survival technique adopted by animals
- To learn vocabulary connected with adaptation
- To look for specific information on the internet
- To read for specific information
- To transfer the information.
- To use web pages
- To work as a group, prepare a presentation

CLIL: ecology, biology, geography

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

STAGE	AIMS	PROCEDURE	CLASSROOM LANGUAGE	TIME	MATERIALS
Introduc- tion	To start the lesson	Check the register /check homework		1 min/ 6 min	
Warm –up activity	To provide students with introduction to the topic	Brainstorming for ideas  Ask the students what is survival. Do they know any survival techniques or skills ? Do animals have their own survival adaptations?	Students' own answers	5 min	board
The main part of the lesson	To learn about different adaptation techniques acquired through adaptation	Divide the class into six groups.  Give one adaptation to each group and as the students to prepare a short summary/ presentation for the rest of the class.  Monitor the time.	Survival strategies enable organisms to cope with particular stresses, from temporary environmental changes in the weather to the constant threat of predation. In groups prepare a short presentation about survival strategies.	10 min	Worksheet 1  Internet
	To present information to the rest of the class.	Give time for each group to present their work to the rest of the class.	Students' own answers	20 min	

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Wrap- up	To learn about particular species and their survival adaptation	Tell the students to go on-line and watch a ranking of ten strangest survival techniques. Ask the students to recognize and identify the techniques according to what they have learnt.	Some animals developed very strange survival techniques, go to <a href="http://www.earthrangers.com/wildwire/top-10/top-ten-strangest-animal-survival-strategies/">http://www.earthrangers.com/wildwire/top-10/top-ten-strangest-animal-survival-strategies/</a> to read about ten strangest survival strategies.	10 min	Worksheet 1  Internet
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Sources:

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

[http://www.bbc.co.uk/nature/adaptations/Hoarding\\_%28animal\\_behaviour%29](http://www.bbc.co.uk/nature/adaptations/Hoarding_%28animal_behaviour%29)

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

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

[http://www.bbc.co.uk/nature/adaptations/Animal\\_migration](http://www.bbc.co.uk/nature/adaptations/Animal_migration)

[http://www.bbc.co.uk/nature/adaptations/Antipredator\\_adaptation](http://www.bbc.co.uk/nature/adaptations/Antipredator_adaptation)

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

<http://www.earthrangers.com/wildwire/top-10/top-ten-strangest-animal-survival-strategies/>