

## Earthquakes

Class: Middle school/high school

Level: Upper-intermediate.

Time : 45 minutes

Aims:

- To learn about natural disasters
- To learn about earthquakes
- To learn vocabulary connected with earthquake, natural disasters
- To learn about causes of earthquakes, their characteristics and what to do in emergency
- To read the map
- To look for specific information on the internet
- To watch a film and listen for specific information
- To transfer the information.
- To use web pages

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 natural disasters, get the names, write them on the board	What kind of natural disasters can you think of ? Are there any natural disasters in your country ? Have there been any natural disasters in e news recently?	5 min	
The main part of the lesson	To read the map, learn where the majority of earthquakes happen	Students work individually to mark the Ring of Fire on the map. Check the answers in groups.	Have you heard the name the Ring of Fire ? What is it ? If not sure, go online, search it and mark on the contour map of the world.	5 min	Worksheet 1 Internet
	To learn about earthquakes	Students work in pairs searching the internet for the answers to the questions provided.  Allow time for research.  Check answers as a class.	Now let's investigate the earthquakes a little bit more. <ul style="list-style-type: none"> <li>• What is an earthquake?</li> <li>• What causes earthquakes ?</li> <li>• What is the definition of <i>hypocenter, epicenter, seismic waves</i> and <i>Richter scale</i>?</li> <li>• What is a fault?</li> <li>• What are plate tectonics?</li> <li>• Can the earthquake be predicted?</li> <li>• How are the earthquakes measured?</li> <li>• What should we do in case</li> </ul>	15 min	

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			of an earthquake?		
	To learn how earthquakes happen	Ask the students to watch a video and afterwards ask them to sum it up.	Watch a film about earthquakes and why they are so scary: <a href="http://www.youtube.com/watch?v=CtBXTvtFaCU">http://www.youtube.com/watch?v=CtBXTvtFaCU</a>	10 min	
Wrap- up	Song – listening comprehension, to learn about Haiti earthquake	Give the students the background information about Haiti earthquake. Listen to the song and follow the lyrics, explain things students do not understand.		10 min	

Sources:

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

<http://www.youtube.com/watch?v=4MkvIQCLEPo>

<http://blog.wolfram.com/category/geosciences/>

<http://www.weatherwizkids.com/weather-earthquake.htm>

<http://www.sciencekids.co.nz/sciencefacts/earth/earthquakes.html>

<http://earthquake.usgs.gov/learn/kids/eqscience.php>

<http://projects.eri.ucsb.edu/understanding/quiz/>

<http://www.geo.mtu.edu/UPSeis/bda.html>

<http://www.oxfam.org/en/emergencies/haiti-earthquake>