LESSON PLAN (5)

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| **TOPİC:** Trail of Extinct and Active Volcanoes, Earthquakes Across Europe | | | | | TİME: 45 min | |
| LEVEL: 9-10 | | | STUDENT AGE: 14-15 | | | |
| AIMS: | | | LEARNİNG OBJECTIVES: | | | |
| -to teach CLIL lesson about volcanoes  -to learn the vocabulary derived from the  topic.  -to teach the topic via technologic  materials .  The biosphere is the realm of all living things, including humans.  This lesson addresses the effect volcanic eruptions can have on the biosphere—the realm of all living things. Students learn that while the eruption of Mount St. Helens claimed about 60 human lives, the toll on wildlife and plants was incalculable. By interpreting a set of tree rings, students discover that a volcanic eruption can have positive as well as negative effects on plant growth. Finally, students examine the role that eyewitness accounts played in helping scientists reconstruct the events of the May 18, 1980, eruption of Mount St. Helens, reinforcing the importance of first-hand observation as a scientific tool of investigation. | | | | -TO KNOW  Death and Recovery: Eruption of Mount St. Helens  - TO UNDERSTAND  tree rings  biosphere  seismograph  Disaster  May 18, 1980, Eruption of Mount St. Helens  -TO BE ABLE TO  Use term-specific language | | |
| Teaching aids: ppt presentation, photos of different parts of volcanoes, maps and atlases,  **Videos**  <https://www.youtube.com/watch?v=Dp0Xd1qvgGM>,  <https://www.youtube.com/watch?v=Xznc78EkT0E>,  <https://www.youtube.com/watch?v=qV-Wm4PKyxQ>  **Links:**  <http://volcanoes.usgs.gov/>  <http://www.ucl.ac.uk/rdr/publications/irdr-special-reports/iceland>  <http://serc.carleton.edu/NAGTWorkshops/health/case_studies/volcanic_ash.html>  <http://environment.nationalgeographic.com/environment/natural-disasters/volcano-profile/>  <http://www.bbc.co.uk/search?filter=bitesize&q=volcanoes> | | | | | | |
| TIME | STAGE | PROCEDURE | | | AIDS | MODE OF INTERACTION |
| 5 min | Step 1 Warm -up | Ask student if they know any eruption which has occured recently. | | | Photos of different volcanoes and their effects | Students give examples, they try to recognize photos |
| 2-3 min | Step 2 | Teacher explains: **Death and Recovery;** What happened in May 18,1980 ? What happened there ? What was the process of recovery. | | | Definition of Terms | Students try to explain the terms |
| 20 min | Step 3 | Teacher writes 3 terms on the blackboard  Volcanic Eruption  Seismograph  Biosphere  Teacher explains processes and new terms connected. | | | İnteractive whiteboards Animations Slides with photos of different Volcanic Eruption | Students try to explain new terms |
| 8 min | Step 4 | Summing up all processes | | | Discussion | Class work |
| 9 min | Step 5 | On line test  <http://study.com/academy/exam/topic/volcanoes.html>  <http://hs-staffserver.stjames.k12.mn.us/~fraken/Earth%20Science%20Files/Grade%208%20Practice%20Quizzes/volcanoesquiz.html>  <http://www.helpteaching.com/search/volcano> | | | test | Students’ individual or group work |

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