LESSON PLAN (3)

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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 atmosphere is the mixture of gases that envelops the Earth.  This lesson explains how volcanoes can affect the atmosphere. Students learn that volcanic eruptions affect places ten to thousands of miles from an eruption site because of the ejection of volcanic rock fragments, gases, and aerosols into the atmosphere. They also discover that volcanoes do not have to erupt to have an effect on the atmosphere. The presence of volcanic mountains, such as the Cascade Range in the Pacific Northwest, continually affect atmospheric conditions, and hence the climate, of the region. | | | | -TO KNOW  Effects of Volcanoes Atmosphere  - TO UNDERSTAND  Aerosol  Ash  Atmosphere  Biosphere  Hydrosphere  Lithosphere  Lithospheric plates  -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 what is effects of volcanoes ? | | | Photos of different volcanoes and their effects | | Students give examples, they try to recognize photos |
| 2-3 min | Step 2 | Teacher explains: **Up in the Air**. That effects of volcanoes. Terms about volcanoes. What is atmosphere, lithosphere hydrosphere ? | | | Definition of Terms | | Students try to explain the terms |
| 20 min | Step 3 | Teacher writes 3 terms on the blackboard: Aerosol, Ash  Teacher explains processes and new terms connected. | | | İnteractive whiteboards Animations Slides with photos of different processes | | 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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