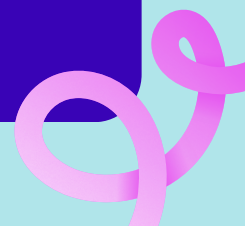


LESSON PLAN



Recap - The Power of Earth: Earthquakes and Volcanoes



(Lesson conducted through student-prepared presentations)

School

National College "Tudor Vladimirescu" Târgu Jiu, Gorj, Romania

Date

16th December 2024

Duration

50 minutes

Coordinating teachers

Dabelea Oana-Daciana, Dumitru Nicolae

Subject

Interdisciplinary (Geography, Physics, Chemistry, Informatics, ICT) through innovative teaching methods

Lesson Goal

To reinforce knowledge about earthquakes and volcanoes through student-led presentations, encouraging collaboration and creativity.

General Objectives

1. Improve students' ability to synthesize and present information.
2. Reinforce understanding of natural processes such as earthquakes and volcanic eruptions.
3. Promote interactive communication and group learning.

Specific Objectives

1. Students will describe the causes and effects of earthquakes and volcanoes.
 2. Students will identify real-world examples of these phenomena.
 3. Students will present safety measures for earthquakes and volcanic eruptions.
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Materials Needed

- Projector/computer for presentations.
 - Kahoot quiz (prepared in advance by the teacher with 8–10 relevant questions).
 - Phones/tablets for students (to access Kahoot).
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Lesson Structure

1. Introduction (5 minutes)

- The teacher explains the lesson’s goal and how activities will proceed.
- The main topic is reiterated: “*The Power of Earth - Earthquakes and Volcanoes.*”
- Students are encouraged to participate actively during the presentations and the Kahoot quiz.

2. Student Presentations (35 minutes)

- Each group of students presents their prepared material (5-7 minutes per group).
- **Suggestions for presentation content:**
 1. **Definitions:** What is an earthquake? What is a volcano?
 2. **Causes:** Tectonic and volcanic processes leading to these phenomena.
 3. **Types and Examples:** Types of earthquakes and volcanic eruptions, with geographical examples.
 4. **Impact:** Effects on the environment and communities.
 5. **Safety Measures:** How to stay safe during an earthquake or volcanic eruption.
- **Teacher’s Role:**
 1. Guide and monitor the time allocated for each presentation.
 2. Note strengths and provide constructive feedback for each group.

3. Kahoot Quiz (10 minutes)

- **Organization:**
 - The teacher displays the Kahoot code on the screen, and students connect using their devices.
 - The Kahoot quiz includes questions on:
 - Definitions of earthquakes and volcanoes.
 - Processes causing these phenomena.
 - Geographical regions affected.
 - Safety measures.

- **Execution:**

- Each question is displayed on the screen, and students answer in real-time.
- The teacher reviews the correct answers and offers additional explanations as needed.

4. Discussion and Feedback (10 minutes)

- After the presentation, a short Q&A session is held:
 - What did other students learn?
 - Do they have any questions or additional points to share?
 - The teacher can supplement the discussion by clarifying any points that need further explanation.
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Evaluation:

- Observing the clarity and relevance of the presented information.
- Noting student engagement during the Q&A sessions.
- Assessing the level of collaboration and creativity in preparing materials.