



Kilauea Erupts! (February 25, 2026)

TEACHING GUIDE

i What? A recent eruption of Kilauea volcano, one of the most active volcanoes in the world. Lava is gushing from the crater and flowing across the ground. 🌋

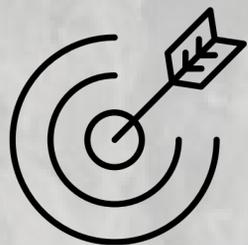
👤 Who? The residents of Hawaii Island, visitors to the national park, and volcanologists who monitor the volcano.

🌍 Where? On Hawaii Island, in Hawaii Volcanoes National Park, in the middle of the Pacific Ocean.

🕒 When? The eruption started recently, in 2026. Kilauea is frequently active.

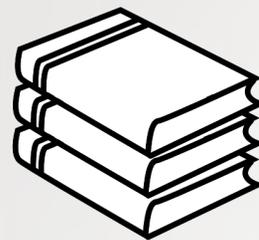
? Why is it important? Because eruptions can be dangerous, change the landscape, and help scientists better understand the Earth.

🎯 For this activity, your goal will be to learn a little more about Kilauea!



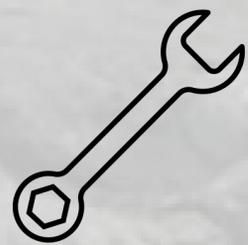
OBJECTIVES

- Locate the Kilauea volcano on a world map.
- Understand what a volcano is and why it erupts.
- Observe the dangers associated with lava flows.
- Use simple math to analyze a real-life situation.
- Discover why some populations choose to live near volcanoes.



SUBJECTS

- **Social Studies / Geography**
 - Location of Hawaii
 - Volcanic Islands
 - Hawaii Volcanoes National Park
- **Science**
 - Volcanoes and Eruptions
 - Lava and Magma
 - Volcanic Activity
- **Mathematics**
 - Distances
 - Kilometer/Meter Conversion
 - Speed and Time
- **English**
 - Reading Instructions
 - Understanding an Informative Text
 - Interpreting Information



COMPETENCIES

- Search for and select relevant information.
- Read and interpret simple scientific information.
- Use data to solve a mathematical problem.
- Interpret a map and distances.
- Understand the interactions between humans and their environment.



DURATION

- About 60 minutes



GETTING STARTED

- Show a picture of an erupting volcano. Ask:
 - "Have you ever seen an erupting volcano?"
 - "Why do you think some people live near a volcano?"
 - "Is it dangerous to live near a volcano?"
- Locate Hawaii on a world map.



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QUESTIONS AND ANSWERS

STEP 1 — A Volcano in the Middle of the Pacific. Observation of images and location of Kilauea. Research on this volcano using Wikipedia.

Q1 — Country: United States

Q2 — State: Hawaii

Q3 — Altitude: 1,264 meters

Q4 — Age: approximately 200,000 to 300,000 years

STEP 2 — A Clear and Present Danger. Map analysis and math problem solving.

Q1 — Distance: 3 km = 3,000 m. Speed: 400 m/h. $3,000 \div 400 = 7.5$ hours

Q2 — Speed: 600 m/h. Time: 8 h. $8 \times 600 = 4,800$ m. The distance is 5,500 m, so the lava has not yet reached the neighborhood.

STEP 3 — Why Live Near a Volcano? Reading of an article and answers to five TRUE or FALSE questions.

Q3 — True

Q4 — True

Q5 — True

Q6 — True

Q7 — False



WRAPPING UP

- Review:
 - The location of Kilauea;
 - The dangers of lava flows;
 - The reasons why some people live near volcanoes.
- Final question: “Why do some people choose to live near a volcano despite the dangers?”



FURTHER EXPLORATION

 Kilauea Volcano Eruption | A Perfect Planet | BBC Earth
<https://youtu.be/L4qDgsyFw7M?si=jDQbE3wPVhNfQPWK>

 *17 Explosive Volcano Facts!* National Geographic Kids
www.natgeokids.com/uk/discover/geography/physical-geography/volcano-facts/

