

TEACHING GUIDE

The Earth in anger (September 23, 2025)

What? A violent earthquake measuring 7.4 on the Richter scale struck the coastal area of Russia's Kamchatka Peninsula on September 13, 2025. It is one of the seven strongest earthquakes ever recorded since modern measurements began.

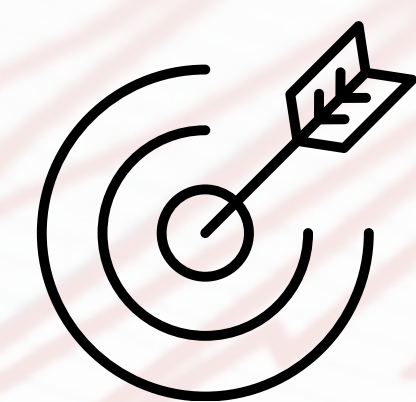
Who? The epicenter of the earthquake was located at a depth of approximately 39.5 km, 111 km from the city of Petropavlovsk-Kamchatsky (population approximately 330,000). Fortunately, there were no fatalities.

Where? The earthquake occurred at sea, off the east coast of Kamchatka, Russia.

When? It took place on September 13, 2025 (local time), in the evening. Tremors had already been felt in the previous days.

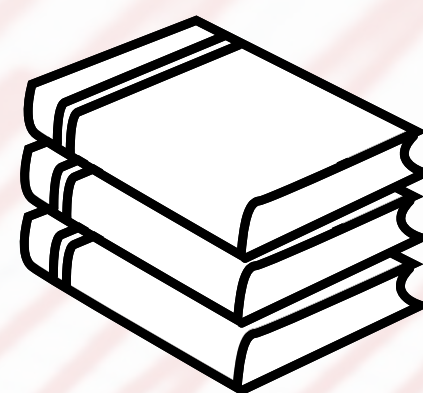
Why is it important? Because this mega-earthquake is one of the most powerful ever recorded on Earth!

For this activity, your goal will be to understand what an earthquake is, how it forms, and discover its consequences on populations and the environment.



OBJECTIVES

- Understand what an earthquake is and how it forms.
- Discover the consequences of earthquakes on populations and the environment.
- Put into practice mathematical concepts related to distances, scales, and comparisons.
- Develop critical thinking in relation to natural disasters and their prevention.



SUBJECTS

- English : reading comprehension.
- Science: natural phenomena, structure of the Earth, earthquakes and tsunamis.
- Geography: locating events on a map, seismic zones, human and environmental impacts.
- Civics: risk prevention, international solidarity.



COMPETENCIES

- Read and interpret scientific and numerical data.
- Use conversions (distances, scales).
- Compare and analyze statistics (magnitude, victims, intensity).
- Develop curiosity and openness about natural risk management around the world.



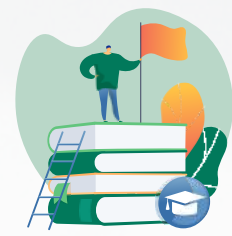
TIME

- Between 45 et 60 minutes



GETTING STARTED

- Show a map of the world and ask kids to locate the Pacific Ocean, the Pacific Ring of Fire, and other well-known seismic zones.
- Ask them what they already know about earthquakes (recent examples: Haiti 2010, Turkey/Syria 2023).
- Show a photo or short video of an earthquake or its aftermath to spark discussion.



TEACHING GUIDE

The Earth in anger (September 23, 2025)



QUESTIONS AND ANSWERS

STEP 1 - Mapping the danger. Identification of the Pacific Ring of Fire and geographical location of the earthquake.

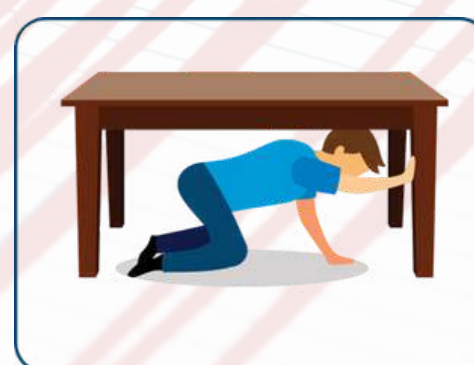
- **Q1** - Zone A

STEP 2 – A destructive phenomenon. Awareness of the consequences of an earthquake on the population.

- **Q2** - “Across Syria, almost 7.5 million children remain in need of humanitarian assistance. In Türkiye, 3.2 million children still need essential services [...]”.
- **Q3** - On February 6, 2023.
- **Q4** - Safe water, education, and medical care.
- **Q5** - 116 million \$ in Turkey and 401.7 million \$ in Syria.

STEP 3 – What to do when the ground shakes? Actions to take in the event of an earthquake.

- **Q6** - Duck down to take shelter under heavy furniture such as a desk, table, or bed.
- **Q7** - Cover your head and chest to protect yourself from any falling objects.
- **Q8** - Cling to the object under which you are hiding for protection.



TO WRAP UP

- Review the main information discovered: what is an earthquake, what causes it, and what consequences it can have.
- Ask the child to say in one sentence what struck them most about the 2023 earthquake in Turkey.
- Repeat with the child the three steps to take in the event of an earthquake.



FURTHER EXPLORATION

- Book. *Earth Shattering Events*. Cicada Books, 2019.
- Website. *Earthquakes*, National Geographic Kid.
<https://kids.nationalgeographic.com/science/article/earthquake>

