

**Lesson plan topic:** All About Earthquakes

**Recommended grade levels:** 4-6th

- This slideshow can be used to learn more about earthquakes. It is informative on how they are formed and how we can prepare for them.

**Link to lesson plan:** <https://canva.link/faarzeg3lptn9ri>

**Objectives:**

By the end of this lesson, students will be able to:

1. Explain what an earthquake is, how it is formed, and where it happens.
2. Identify the different types of faults and seismic waves.
3. Know how to prepare for an earthquake

This facilitator's guide is designed to help you lead the lesson plan on earthquakes. For many of the slides, you can read off the slides, but some of the slides have additional speaking points listed.

**Slide breakdown:**

Slide 1: Title Slide

Slide 2: Overview slide

- Introduce the topics that we will be focusing on today
- Ask students what they know about earthquakes
  - Has anyone ever experienced one before?
  - Does anyone know how to prepare for it?

Slide 3-4: Read from the slide

Slide 5: Types of Faults

- Look at the visuals for a better explanation

Slide 6-7: Read from the slide

Slide 8: Magnitude scale

Slide 9: Video on seismic waves

- Easy to understand/follow video introducing seismic waves

Slide 10: Read from the slide

Slide 11: Earthquake Preparedness

- This is the main thing to do if an earthquake happens.

Slide 12: Fun Fact

Slide 13: Video

- Watch video of the effect of one earthquake
- Take note of people's reaction & impact/damage that it caused.

Slide 14-22: Multiple choice questions on what we have learned about today

- Answers are included
- Ask students to raise their hands and go with the answer with the most votes.
- Explain why that is the right answer & clarify any confusion

Slide 22: Thank you!

Post lesson activities:

- 1) Create an Earthquake Safety Poster
  - a) Explain some of the procedures, include images
- 2) Case study
  - a) Research major earthquakes and do a presentation on them (e.g., 2010 Haiti, 2011 Japan, 1906 San Francisco)
  - b) Group or individual project, depending on class size