

What's Inside the Earth? (interactive digital poster)

A clickable poster experience that uses magnified text pop-ups and embedded links to help learners explore how seismic waves reveal Earth's composition and interior structure. Embedded within the poster are links to our engaging videos and apps. Students can explore seismic events, analyze data, and draw connections between theoretical knowledge and real-world applications.

Learning Objectives:

Students will:

- distinguish between seismic waves and interpret seismograms.
- describe how seismic wave behavior shows Earth's interior composition and boundaries.

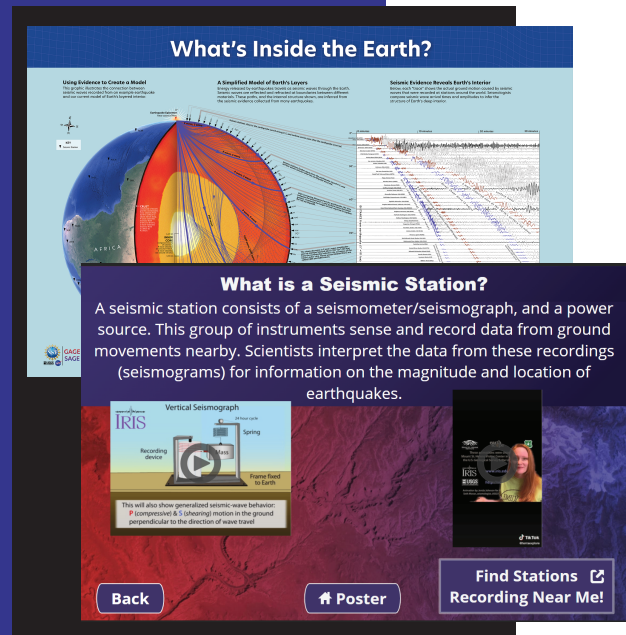
Steps

Step 1: **Launch with curiosity:** "We can't go to the core, so how do we know what's inside Earth?"

Step 2: **Explore features:** Students hover for magnified text and click question marks to investigate guided questions.

Step 3: **Evidence moment:** Use the poster's seismogram prompts to discuss how energy diminishes with distance and what wave recordings can tell us.

Step 4: **Exit ticket:** "One new thing I learned about Earth's interior is... My evidence is..."



- Works well as a station or a whole-class interactive with "pause and predict" prompts.
- Use it to pre-teach vocabulary before a waves unit or assessment.
- NGSS: MS-ESS2-1, MS-ESS2-2, MS-PS4-2, HS-ESS2-3, Obtaining, Evaluating and Communicating Information, Cause and Effect.



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