IRIS EARTHQUAKE Resources

FREE EDUCATIONAL RESOURCES

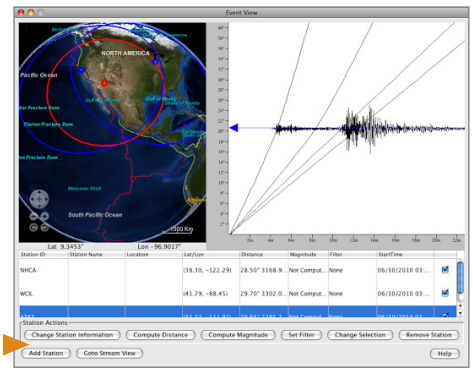
Education & Public Outreach Product Overview

https://www.iris.edu/earthquake

Lessons & Demos

Access learning resources and instructional sequences to strengthen students' conceptual understanding of seismological concepts!

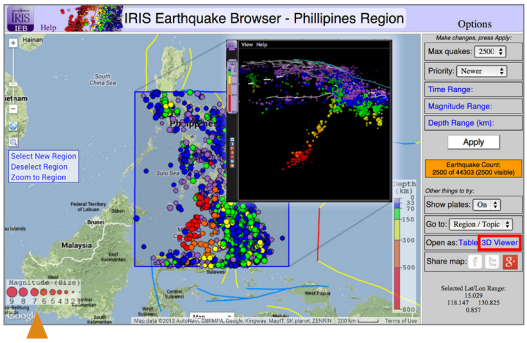
https://www.iris.edu/hq/inclass/search#type=4



jAmaSeis

Monitor the Earth from your classroom, office, or home! jAmaSeis allows you to watch seismic stations in real time. Use this software to determine an earthquake's location and magnitude.

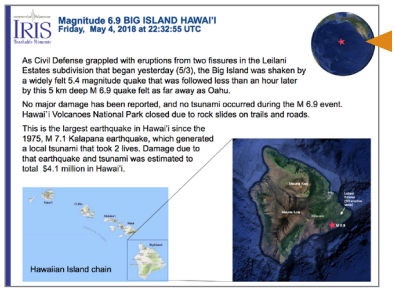
https://www.iris.edu/hq/inclass/software-web-app/jamaseis



IRIS Earthquake Browser/ 3D Viewer

Explore recent and historical global seismicity and tectonic plate boundaries. Up to 20,000 earthquakes can be displayed on the interactive map. Rotate and zoom through hypocenters using the 3D Viewer.

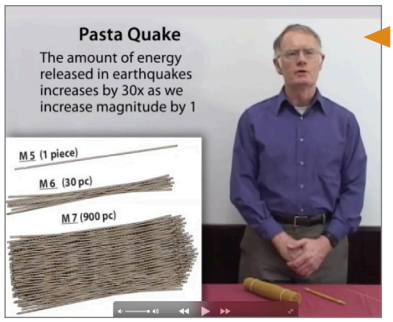
https://www.iris.edu/ieb



Teachable Moments

Capture that unplanned opportunity to bring knowledge, insight, and critical thinking to the classroom, lecture, or meeting following a newsworthy earthquake using our editable PowerPoint presentations!

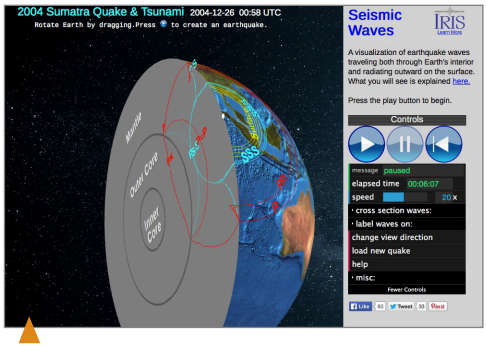
https://www.iris.edu/hq/retm



Videos

Concise video lectures for teaching how earthquakes happen and how they are studied. In these videos, geologic concepts are explained in understandable terms using common materials.

https://www.iris.edu/hq/inclass/search#type=8



Seismic Waves

See how earthquakes are used to infer Earth's interior structure! This browser-based tool displays the propagation of seismic waves through Earth's interior and around its surface.

https://ds.iris.edu/seismon/swaves

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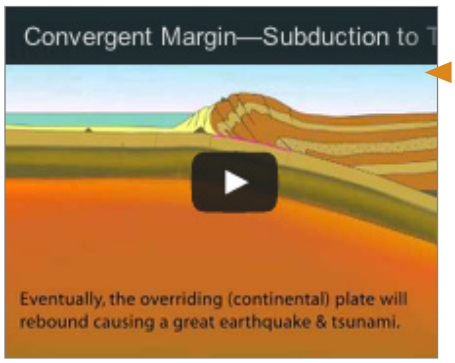
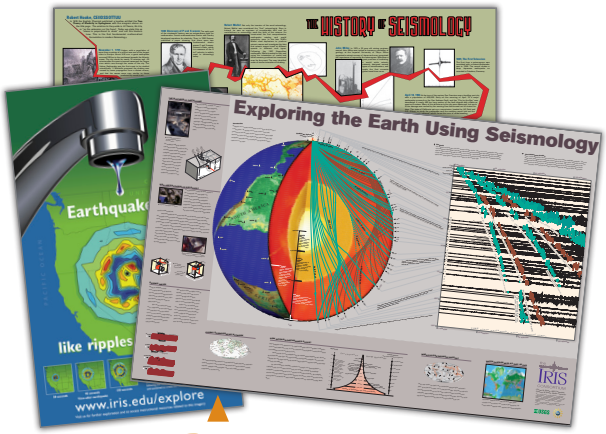


Animations

Select from over 100 animations ranging from novice to advanced levels to help teach Earth science fundamentals from plate tectonics to seismic-wave propagation.

https://www.iris.edu/hq/inclass/search#type=1



Posters

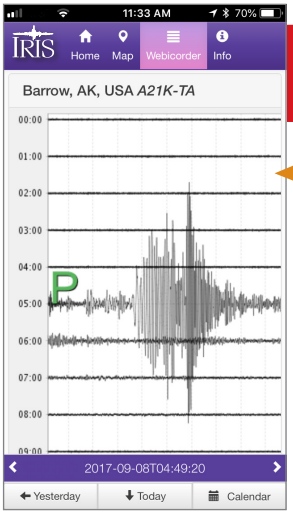
More than just wallpaper, these eye-catching, educative posters invite students to become minds-on with Earth's internal structure, earthquakes, seismic waves and more!

https://www.iris.edu/hq/inclass/search#type=6

Seismographs in Schools

Serving teachers across the country and around the world using seismic instruments or real-time seismic data in the classroom. We offer classroom activities, technical support, and tools to share seismic data.

https://www.iris.edu/hq/sis

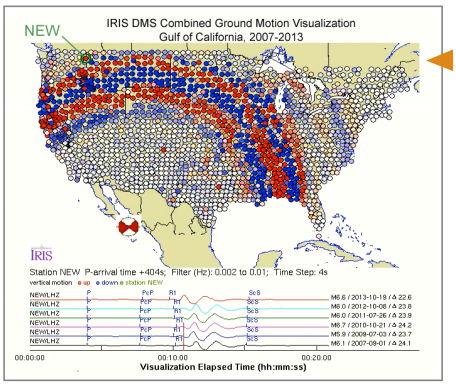


NEW!

Station Monitor

See if the ground has moved at a station near you or select a station operating elsewhere in the world. View seismic recordings from today or yesterday. Available FREE from the Apple or Google Play Stores or online.

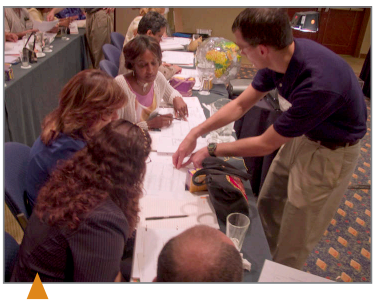
https://www.iris.edu/app/station_monitor



Ground Motion Visualizations

Data visualizations demonstrate how seismic waves travel. Watch the ground motions from earthquakes sweep across the USArray network!

https://www.iris.edu/hq/programs/epo/visualizations



Professional Development

Explore the interface between seismology and pedagogy in our standards-driven workshops led by seismologists and science educators!

https://www.iris.edu/hq/programs/epo/professional_development

https://www.iris.edu/earthquake

IRIS Education and Public Outreach

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