Apps used in the lesson.

Tremor Tracker App

This app, and similar apps listed below, displays real-time earthquake data on an interactive globe. Earthquakes are represented by pins. When a pin is tapped, data relevant to the earthquake is displayed including magnitude, location, time, and any warnings (e.g., tsunami) that have been issued.

iPad
https://itunes.apple.com/us/app/tremor-tracker/id534094613?mt=8

Earthquakes Tracker for Android
https://play.google.com/store/apps/details?id=com.rsoftr.android.earthquakestracker.add

Earthquake Map and Alert for Android
https://play.google.com/store/apps/details?id=com.earthquakemap.quake

World Earthquakes for Windows Devices
https://www.microsoft.com/en-us/store/apps/world-earthquakes/9wzdncrdqlfl

Dynamic Plates App
This interactive app allows students to visualize and conceptualize the activity that occurs under the Earth's surface. Students are able to physically manipulate Earth's plates to simulate events like convergent or divergent boundaries. Concurrently, they are able to see and hear the results of these events on Earth's surface. These are natural processes that are typically very abstract and difficult for students to conceptualize.

iPad
https://itunes.apple.com/us/app/dynamic-plates/id837172937?mt=8

Android
https://play.google.com/store/apps/details?id=air.com.apprendo.dynamicplates

Sim Earthquake App

This app allows students to see what happens at the epicenter of an earthquake by creating a simulation that creates earthquakes of different magnitudes when the device is shaken.

iPad
https://itunes.apple.com/us/app/sim-earthquake/id725274179?mt=8

Android
https://play.google.com/store/apps/details?id=air.EQ44&hl=en

<u>Earthquake Simulator 2D App</u>

This app allows students to construct a building using stones and bricks and then test the structure's ability to withstand earthquakes of various magnitudes.

iPad
https://itunes.apple.com/us/app/earthquake-simulator-2d/id946738102?mt=8

There are no equivalent Android Apps for this simulation. The web-based simulation listed below is a substitute.

Stop Disasters! Web-based Disaster Simulation Game
http://www.stopdisastersgame.org/en/home.html