

Each student will choose an earthquake from around the world.

**Math:**

Students will plot the earthquake's intensities on a coordinate plane and come up with a line of best fit. Writing – Is the correlation strong or weak and how do you know? What would happen if...? Technology – Plot your points on a TI-83 graphing calculator; use the calculator to find the line of fit and the linear equation. How close was your line of fit to the calculator's line of fit and what are some reasons why the line may differ slightly? Research the cost of insuring a 1000 square foot house in an earthquake area versus a non-earthquake area.

**Science:**

Students will research the earthquakes epicenter. Writing – How does the destruction in the earthquakes epicenter differ from the damage around the epicenter?

**Social Studies:**

Students will interview witnesses to the earthquake. They can either interview in person or using Skype if it's a recent quake, or interview through historical documents such as a newspaper or Internet. What impact did this earthquake have on South Carolina? (direct destruction, fishing, financial gains or losses with imports and/or exports, etc.)

**English:**

Students will create a brochure, newspaper article, billboard, trading cards, etc. giving pertinent information about their chosen earthquake.

How would a middle school child who survived the earthquake go about finding their missing family members and what would they do to survive along the way?

Make inferences about the Great Earthquake of South Carolina of 2030.

Jeni - Find earthquakes.

Terry - Template for a trading card

Picture of geographic location before and after quake

Statistics and odd facts, latitude and longitude of the epicenter

Cost of insuring a 100 sq.ft. house in that earthquake region

How did the earthquake affect South Carolina?

Cat - 2 lines of people facing each other to share (line-fold activity)

Jack – activator: OMG there's an earthquake! Everybody take cover! (airhorn)

Jeni – describe the activity

Scissors and double-sided tape

How are cards traded?