LESSON 16
TEXAS ALMANAC TEACHERS GUIDE

Notable Earthquakes Shake Texas

- From the Texas Almanac 2010–2011

INSTRUCTIONAL SUGGESTIONS

1. MAP ACTIVITY:
   a. On a Texas Counties Map (Appendix), locate your county and identify it on a legend (key) with a color of your choice.
   b. Using the list of Significant Earthquakes in Texas (Texas Almanac 2010–2011, pages 75–77, or at www.texasalmanac.com/topics/environment/notable-earthquakes-shake-texas-occasion) direct the students to choose 20 sites for 70 points, 15 sites for 65 points, or 10 sites for 60 points.
   c. Locate each county in which a significant earthquake occurred. Choose a color for that earthquake, place a colored dot inside the county lines, and add that significant earthquake to the legend (key). Additional information on earthquakes in Texas can be found at the U.S. Geological Survey at: http://earthquake.usgs.gov/earthquakes/states/index.php?regionID=43.
   
   NOTE: If students live in a county that has one or more earthquake sites, ask them to label—not color—the county in which they live.
   d. Students will write these four questions on the back of their map and answer each for 5 points.
      1. What relationships do you find after completing your map?
      2. Is your county in danger of experiencing a significant earthquake? Why or why not?
      3. In which county would you not want to live if you feared an earthquake? Why?
      4. In which county would you want to live if you feared an earthquake? Why?
   e. Award WOW points for neatness, 4 points; creativity (something different from other students), 3 points; and colorful, 3 points.

2. ESSAY WITH ILLUSTRATIONS:
   a. Students will write a short essay explaining significant earthquake locations in Texas.
   b. Include in the essay the destruction caused by the earthquake, loss of life and/or injuries, and economic devastation.
   c. Also include 10 color drawings to illustrate the essay.
3. **ANNOTATED TIMELINE:**

   a. Use butcher paper at least 36 inches in length by 18 inches deep.

   b. Make available to students the list of Significant Earthquakes in Texas; see *Texas Almanac 2010–2011*, pages 75–77, or at: www.texasalmanac.com/topics/environment/notable-earthquakes-shake-texas-occasion

   c. Students will choose 20 earthquake dates and **create a timeline with color illustrations** for each quake. Timeline annotations must include **day, month, and year** of occurrence; **what** happened; and **where** it occurred.