

# LESSON 16

## TEXAS ALMANAC TEACHERS GUIDE

### Notable Earthquakes Shake Texas

- *From the Texas Almanac 2010–2011*
- <http://www.texasalmanac.com/topics/environment/notable-earthquakes-shake-texas-occasion>

#### SOCIAL STUDIES TEKS

4 - 4, 6, 21, 22, 23

7 - 9, 21, 22, 23

8 - 23

#### STAAR

4, 7 - Writing - 1, 2, 3

4, 7, 8 - Reading - 1, 2, 3

8 - Social Studies - 2

#### INSTRUCTIONAL SUGGESTIONS

##### 1. MAP ACTIVITY:

- On a Texas Counties Map (Appendix), locate your county and identify it on a legend (key) with a color of your choice.
  - 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](http://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.
  - 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.
- Students will write these four questions on the back of their map and answer each for 5 points.
    - What relationships do you find after completing your map?
    - Is your county in danger of experiencing a significant earthquake? Why or why not?
    - In which county would you not want to live if you feared an earthquake? Why?
    - In which county would you want to live if your feared an earthquake? Why?
  - Award **WOW points** for neatness, 4 points; creativity (something different from other students), 3 points; and colorful, 3 points.

##### 2. ESSAY WITH ILLUSTRATIONS:

- Students will write a **short essay** explaining significant earthquake locations in Texas.
- Include in the essay the **destruction caused** by the earthquake, loss of life and/or injuries, and economic devastation.
- Also include **10 color drawings** to illustrate the essay.



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## 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](http://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.

