Shake Up The Plates!!

We have just finished our study of plate tectonics. We will further our knowledge about tectonic plates by studying earthquakes. You will use the internet to explore 5 out of the earthquakes listed. If you are particularly excited about another quake, you may use that one. Pick 5 of the questions to answer about that one. Answer the questions and use graphics and pictures to illustrate a PowerPoint or a Prezi. Be sure to put your name in the title slid. Save your presentation to your backpack in your Edmodo account or use your flash drive. Upload your project to me by direct post by Sept 26.

1. August 23, 2011, Earthquake in Virginia
   1. What was the magnitude of this earthquake
   2. Which earthquake zone was involved?
   3. What is the origin of this fault zone?
   4. What are some interesting anecdotes or facts about this earthquake?
   5. What were the consequences of this earthquake?
2. Earthquake in Japan, March 2011
   1. What was the magnitude of this earthquake?
   2. Why was the earthquake so devastating?
   3. Where did the earthquake actually occur?
   4. Which tectonic plates were involved?
   5. How does an earthquake cause a tsunami?
3. Earthquake in Haiti, January 2010
   1. What was the magnitude of this earthquake?
   2. Why was the devastation so immense?
   3. Which tectonic plates were involved?
   4. What were the consequences of the earthquake?
4. The Alaska Earthquake of 1964
   1. What was the magnitude of this earthquake?
   2. Which tectonic plates were involved?
   3. What happened to Latouche Island?
   4. What was the size of the area involved?
   5. Which type of buildings were most effected?
   6. Describe the types of tsunamis that were generated.
5. Loma Prieta Earthquake, 1989
   1. What was the magnitude of this earthquake?
   2. Which tectonic plates were involved?
   3. Which fault was involved?
   4. What kinds of structures were involved?
   5. What famous event was going on during the earthquake?
6. New Madrid Earthquake, 1810, 1811
   1. What was the magnitude of this earthquake?
   2. Why are two years listed?
   3. What kind of fault zone is this? What is the Reelfoot rift?
   4. Describe some of the eyewitness accounts.
   5. What are sand blows? Why did they occur?
7. 1886 Charleston Earthquake
   1. What was the magnitude of this earthquake?
   2. What is likely to be the source of the faults in this intraplate quake?
   3. When were the foreshocks noted?
   4. What kinds of damages were reported?
   5. Describe problems due to liquefaction
   6. Research Fayetteville during this time period. What did people here say about the quake?