

Name: _____

Date: _____

Period: _____

Geology Projects

Standard	Your Grade on Geology CFA	Description	Project	Alternate Project	3 rd Choice
GLE 7.3.1		Illustrate and Describe in writing the composition of the major layers of the earth's interior	Create a model of the earth's interior showing scaled diameters and important features, especially convection and magnetism. Write a short, but well-structured paragraph describing each of the 4 major layers and features	Bake a cake of the earth's interior showing scaled diameters and important features, especially convection and magnetism. Be prepared with a short presentation for the class describing each of the 4 major layers and features	Write a book for children showing the 4 major layers of the earth and explaining their characteristics and importance.
GLE 7.3.4		Correlate common geologic features with the location of plate boundaries	Create a video (stop action, animation, etc.) showing the tectonic history of Connecticut from before 500 million years ago until today. Show how convergent and divergent boundaries create mountains, volcanoes, and deep ocean trenches.	Create a video (stop action, animation, etc.) showing the formation and break up of Pangea. Show how convergent and divergent boundaries create mountains, volcanoes, and deep ocean trenches.	Create a poster showing the 4 major plate boundaries and the features one would expect to find at these boundaries
GLE 7.3.6		Analyze and Interpret data about the location, frequency, and intensity of earthquakes.	Go to USGS earthquake page online. On a world map showing plate boundaries, plot the location of earthquakes for 3 separate days. Calculate the difference in strength of the highest and lowest earthquake of each day.	Solve correctly 8 of 10 seismograms and in a short, but well-structured paragraph describe the differences between them.	Recently, Oklahoma has become the earthquake capital of the US. Research and in a well-structured essay describe the current understanding as to why this is happening in an area so far from a plate boundary.