Name(s)\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Hour\_\_\_\_\_

**Geologic Time Scale Mini-Project**

(85 point summative assessment)

**Focus Question:** How do scientists use the fossil and rock record to establish a timeline of Earth’s history?

**Part I Directions:** Choose an era and begin the initial research phase. You will use the textbook to locate as much information as you can; you can then use a Chromebook to find anything else.

1. Choose an era from the tub: **My Assigned Era is:** \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

2. Research during class time provided all of the information required for part two below - *remain on task and do not disrupt others learning*. (15 points)

**Part II Directions:** Create a mini-poster or a power point that showcases your era. Include the following:

1. Time Range: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_mya to \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_mya (2 points)

2. Previous Geologic Era: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (1 point)

3. Following Geologic Era: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (1 point)

4. What does the name of your Era mean in Latin? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (1 point)

5. Name the different periods your era is divided into – (in your final product you want to have the major events that occurred during those periods) (5 points)

6. Describe the major **climate** during your time era. Climate mainly includes average temperatures and amount of precipitation, but could also include the presence (or absence of seasons), ice ages, etc. (5 points)

7. Describe some of the main **geologic events** that occurred during this era and how these started and ended the periods and epochs. (ie. formation of mountains, opening of oceans, colliding continents, volcanic activity, major deposition of sediments, major structures eroded, etc.) Highlight the events that happened at the beginning and end of the era. (10 points)

8. Describe some of the main **biologic events** that occurred during this era and how these correlate with the periods and epochs. (ie. Introduction or extinction of species) Highlight the events that happened at the beginning and end of the era. (10 points)

9. Describe the **position of the continents** during this period. Where was our region (Michigan) with respect to the equator, poles and other recognizable land masses? (5 points)

10. **Color images** of all the above information including *at least* one graph; one image of an extinct animal and one image of a geologic event. (5 points)

11**. Neatness, organization, effort** and the **sources** of information. (5 points)

**Part III Directions:**

Present your mini-poster/slide show to the class in an interesting, clear and complete manor. (20 points)