



Geologic Timeline as Compared to a Calendar Year

- Using the 1st of January as the beginning of Earth and midnight on December 31st as the present, create a timeline below that visually demonstrates the following time graph.
- Label the following in the middle column of the time graph:
 - The **oldest rocks** were formed in the middle of March
 - **Life** appeared on the planet in the middle of May (done)
 - The first recognizable **marine animals** appeared in the 3rd week of November
 - **Dinosaurs** ruled the world between the 15th and the 26th of December
 - **Our ape-like ancestors** first appeared late on the evening of December 31st.
 - The **last continental glacier** began to recede one minute and fifteen seconds before Midnight on Dec 31st.
 - **Humankind written history** began about 15 seconds before midnight.

Other notables

The Roman Empire lasted only 5 seconds; starting from 11:59.50
Columbus arrived in America about 3 seconds before midnight December 31st.

Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sep	Oct	Nov	Dec
				Life appears							

- The four main eras of geologic time are (from most recent) Cenozoic, Mesozoic, Paleozoic, Precambrian
- Assuming the 365 day calendar year, mark off the divisions between these eras using the bottom bar (the most recent era should be at the right...in December)
- Assume their lengths are as follows:
 - Precambrian 321.8 days; Paleozoic 23.8 days; Mesozoic 14.3 days; Cenozoic 5.1 days
- Now, colour Cenozoic **dark purple**, Mesozoic **red**, Paleozoic **orange** and Precambrian **yellow**.