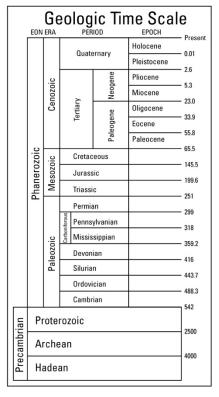
OLLI Age of Reptiles

Fall 2022 with Nicole Myers Week 5



Digital presentations associated with the course & handouts will be available at: <u>https://www.appreciatingearth.com/olli</u>

Simplified Geologic Time Scale, this week we will focus on the diversification of dinosaur during the Cretaceous Period of the Mesozoic Era, the Age of Reptiles. Simplified Geologic Time Scale from: Spooner, Alecia M. "The Geologic Timescale." *Dummies*. A Wiley Brand. https://www.dummies.com/education/science/the-geologic-timescale/

Cladograms: We focus on the reptilian survivors of the Triassic & Jurassic periods that diversified as various ecosystems evolved on separated landmasses. The week 3 handout has a great dinosaur cladogram, the week 4 handout cladogram source (Open Geology) is a great way to delve deeper into the 2 Dinosaur Orders (Ornithischians & Saurischians), divided into 5 Suborders (Theropoda, Sauropoda, Ornithopoda, Marginocephalia, Thyreophora) Brusatte, S.L., O'Connor, J.K., Jarvis, E.D. (2015). The origin and diversification of birds. *Current Biology* 25, R888–R898. The relationships of birds and the evolution of key traits. *Solid black lines* indicate the span of time each lineage is known from the fossil record. https://www.sciencedirect.com/topics/earth-and-planetary-sciences/pterosaur

