

OLLI Age of Reptiles

Fall 2022 with Nicole Myers

Week 3

Digital presentations associated with the course & handouts will be available at:

<https://www.appreciatingearth.com/olli>

Geologic Time Scale						
EON ERA	PERIOD	EPOCH				
Phanerozoic	Cenozoic	Quaternary	Holocene	Present		
			Pleistocene	0.01		
		Tertiary	Neogene	Pliocene	2.6	
				Miocene	5.3	
				23.0		
			Paleogene	Oligocene	33.9	
				Eocene	55.8	
				Paleocene	65.5	
				Mesozoic	Cretaceous	145.5
					Jurassic	199.6
	Triassic	251				
	Paleozoic	Carboniferous	Permian	299		
			Pennsylvanian	318		
		Mississippian	359.2			
		Devonian	416			
		Silurian	443.7			
		Ordovician	488.3			
		Cambrian	542			
		Precambrian	Proterozoic	2500		
	Archean		4000			
Hadean						

Simplified Geologic Time Scale, this week we will focus on the diversification of reptilia during the Jurassic 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/>

Dinosaur Cladogram, week 3 we focus on the diversification of the reptilian lineages that survived the Triassic mass extinction, and the subsequent diversification of the Jurassic Period.

Evolution of dinosaurs. Typical silhouettes are shown in black. At the bottom of the image red colour shows the differences in the pubis bone. Drawing based on the Polish encyklopedia: Wielka Encyklopedia PWN, tom 7, str. 190, wydanie 2001-2005 https://en.wikipedia.org/wiki/Dinosaur_classification

