

# OLLI Age of Reptiles

Fall 2022 with Nicole Myers

Week 2

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
				Oligocene	23.0
			Paleogene	Eocene	33.9
				Paleocene	55.8
					65.5
		Mesozoic	Cretaceous		145.5
			Jurassic		199.6
	Triassic			251	
	Paleozoic		Permian		299
			Carboniferous	Pennsylvanian	318
				Mississippian	359.2
			Devonian		416
	Silurian		443.7		
	Ordovician		488.3		
Cambrian		542			
Precambrian	Proterozoic		2500		
	Archean				
	Hadean		4000		

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

**Triassic Period Reptilia Cladogram**, week 2 we focus on the diversification of the reptilian lineages that survived the P-T mass extinction.

Benton M., "The origin of endothermy in synapsids and archosaurs and arms races in the Triassic." *Gondwana Research*. December 2021  
<https://www.sciencedirect.com/science/article/pii/S1342937X20302252#f0015>

