

OLLI Story of Earth Conveyed by Rocks

Spring 2022 with Nicole Myers

Week 4

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

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

Geologic Time Scale				Present	
EON ERA	PERIOD	EPOCH			
Phanerozoic	Cenozoic	Quaternary	Holocene	0.01	
			Pleistocene	2.6	
		Tertiary	Neogene	Pliocene	5.3
				Miocene	23.0
			Paleogene	Oligocene	33.9
		Eocene		55.8	
		Paleocene		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		4000		
	Hadean				

Simplified Geologic Time Scale, this week we will focus on the formation of Earth during the late Precambrian Super-Eon, during the Proterozoic Eons, and the beginning of the Phanerozoic Eon.

Simplified Geologic Time Scale from: Spooner, Alecia M. "The Geologic Timescale." *Dummies*. A Wiley Brand. <https://www.dummies.com/education/science/the-geologic-timescale/>

Paleozoic Diversity Graph, week 4 we focus on the evolutionary "explosions" and extinctions during the Paleozoic Era, and investigate the origins of the animals & plant lineages that are dominant today.

Genera Graph:

https://link.springer.com/referenceworkentry/10.1007/978-3-642-11274-4_547

