

OLLI Story of Earth Conveyed by Rocks

Spring 2022 with Nicole Myers

Week 5

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
				Oligocene	33.9
			Paleogene	Eocene	55.8
				Paleocene	65.5
				Mesozoic	Cretaceous
	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 5 we focus on the evolutionary "explosions" and extinctions during the late Paleozoic Era, and investigate the origins of ecosystem communities like forests & coral reefs.

Genera Graph:

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

