

OLLI Story of Earth Conveyed by Rocks

Spring 2022 with Nicole Myers

Week 1

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
					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 formation of Earth during the early Precambrian Super-Eon, during the Hadean & Archean Eons.

Simplified Geologic Time Scale from: Spooner, Alecia M. "The Geologic Timescale." *Dummies*. A Wiley Brand.

<https://www.dummies.com/education/science/the-geologic-timescale/>

Simplified Rock Cycle, week 1 we focus on the oldest rocks found on Earth to understand what they tell us about the earliest stages of Earth evolution.

Rock Cycle:

<https://www.geol.umd.edu/~jmerck/honr219d/notes/02.html>

