

# Chronological Order: Telling Time with Utah's Fossil Record

10/06/2023

## Chronological Order: Telling Time with Utah's Fossil Record

Featured speaker Evey Gannaway Dalton, PhD,  
geoscientist

Assistant Professor, Department of Geosciences, Utah  
State University

### Date

Friday, October 6, 2023

7 p.m. [Eccles Science Learning Center](#),

Emert Auditorium, Room ESLC 130

Hands-on learning activities and refreshments follow the  
talk in the Eccles Science Learning Center atrium.

Admission is free and all ages are welcome.

[Directions and Parking Information](#)

### Talk Description

One ... two ... three .... Four: How do we know how old something is? USU geoscientist Evey Gannaway Dalton says the principle of fossil succession is fundamental to our understanding of the relative age of different rocks. The geologic timescale itself, she says, was first established and constructed based upon this principle – all of our major time periods (eons, eras, periods, etc.) in Earth's history are differentiated by the presence or absence of given fossils. "And as I tell my students, it is in fact this principle that is evidence for the theory of evolution," says Gannaway Dalton, "As it is essentially evolution 'trapped' in the rock record."