

# Honors Science 8



## Earth Science: Geologic Record

### Science 8 Curriculum

#### Power Objective

**P.O. #7: Interpret evidence of the dynamic changes to Earth throughout time as shown in the geologic record. (P.O. #7 Proficiency Rubric)**

#### Academic Vocabulary

<input type="checkbox"/> uniformitarianism	<input type="checkbox"/> intrusion	<input type="checkbox"/> absolute dating
<input type="checkbox"/> superposition	<input type="checkbox"/> inclusions	<input type="checkbox"/> varve
<input type="checkbox"/> lateral continuity	<input type="checkbox"/> unconformity	<input type="checkbox"/> half-life
<input type="checkbox"/> horizontality	<input type="checkbox"/> index fossil	<input type="checkbox"/> correlating
<input type="checkbox"/> faulting	<input type="checkbox"/> relative dating	<input type="checkbox"/> isotope

#### Enduring Understandings

*Students understand that...*

- Rocks can be dated relative to each other based on their position and other geologic clues.
- Rocks can be given an exact age using absolute dating techniques.
- We can look at what is happening today to help us understand what has happened in the past.

#### Essential Question

- How do we determine how old a fossil or a layer of rock is?
- How do we know what Earth was like in the past?