

Grade 4

Unit 8: *Geology: This Rock You're Standing On*



Unit-level Essential Question

What is below the earth's surface?

Lessons 1–5

Guiding Question: What causes geologic phenomena?

Writing Prompt: What do tectonic plates have to do with earthquakes?

Lessons 6–8

Guiding Question: How have people explained geologic phenomena in the past?

Writing Prompt: How can we explain changes to Earth's surface?

Lessons 9–14

Guiding Question: What geological features can be found at the ocean floor?

Writing Prompt: How are hydrothermal vents like geysers?

Unit 8 Culminating Activity

Imagine you are a geologist studying one geological feature from this unit (tectonic plates, faults, geysers, volcanoes, trenches, etc.). Choose one feature and find an example of it in nature, researching it and how it was formed.