MOUNTAIN BUILDING OROGENY

- Fossils from the Triassic Period, can be found in nearby layers of sandstone.
- Subduction and the formation of Colorado Rockies.
-“The rocks I found in this quarry in Morrison, Colorado help me understand how the Colorado Rockies formed.”

METEORITE IMPACT

- “The piece of impact breccia I found in this quarry has a lot of stuff inside it, a lot of different minerals that have fractured into little fragments. It’s a great find! It is definitive evidence that there was an impact.”

ANCIENT TROPICAL SEAS

-“The tropical marine fossils I collected live in what was probably a very different set of conditions than the ones that live in the tropical forests of today.”

QUARRIES IN GEOLOGIC TIME

-“The rocks I found in this quarry in Enumclaw, Washington help me understand the volcanic history of the region.”

VOLCANIC ERUPTIONS

-“Large crystals in this diabase magma that cooled slowly.”

RIFTING BREAKING UP CONTINENTS

-“The wavy lines in this rock tell me that the ancient ocean floor was buckled and folded into fold mountains.”

JOURNEY IN TIME THROUGH QUARRIES

-“Limestone Shattercone”
-“White River Quarry in Enumclaw, Washington”
-“RECREATE the scene millions of years ago”
-“EXPLORE how these rocks are used in our lives”

CATALOG NUMBERS

-“Finding a layer of this sandstone is only 300 million years old!”
-“This piece of diabase I found in this quarry has large crystals. A diabase rock can fracture into fragments.”
-“Small Geologists are great! It is definitely something you should do with your kids. It’s really fun and you see such cool things.”
-“The rock I found has a lot of different minerals that have fractured into little fragments. It’s a great find! It is evidence that there was an impact.”
-“Finding a layer of this sandstone is only 300 million years old!”

VISIT a quarry with a geologist

COLLECT rocks from the quarry to identify evidence of the past

RECREATE the scene millions of years ago

EXPLORE how these rocks are used in our lives

Hey Educators! Find out more at: qrius.si.edu/TeachingGeology

Dr. Lee Andreas Archaeologist

Dr. Tim Rose Geologist

Dr. Cari Corrigan Geologist

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