



Science

Grade 5

2nd Nine Weeks



This academic overview can be used to monitor and support your child's at

-home learning progress.

Unit 3: Processes of the Earth

Student Learning Targets

- I can describe how sedimentary layers are formed.
- I can demonstrate the formation of sedimentary layers.
- I can explain the process that leads to the formation of fossil fuels.
- I can demonstrate the formation of fossil fuels.
- I can define and describe deltas, canyons, and sand dunes.
- I can describe how changes to the Earth's surface are caused by water, wind, and ice through the processes of weathering, erosion, and deposition.
- I can conduct an investigation that demonstrates how landforms are created.
- I can describe fossils and the basic nature in which they are formed.
- I can use models to identify fossils as evidence of past living organisms and about the nature of the environments at the time.

Questions to Check for Unit Understanding

- How is wind, water, and ice involved in changing the Earth's surface?
- How are deltas, canyons, and sand dunes formed?
- What processes assist wind, water, and ice in changing the Earth's surface?
- What is the sequence of processes that form sedimentary rock?
- How is sedimentary rock involved in the formation of fossil fuels and how long does it take?
- How is sedimentary rock involved in the formation of fossils and how long does it take?
- What can fossils tell us about past living organisms and the environments in which they lived?

Key Academic Vocabulary

- Sedimentary Rock: rocks formed when particles of other rocks are deposited into layers and are compacted and cemented together
- Fossil Fuel: a natural, nonrenewable fuel that formed a very long time ago from the remains of living organisms (examples: coal, oil, or natural gas)

Unit 4: Earth's Cycles

Student Learning Targets

- I can describe the steps of the water cycle.
- I can explain the relationship between the sun and the ocean in the water cycle.
- I can create a model of the water cycle

Questions to Check for Unit Understanding

- What are the steps of the water cycle?
- How does the sun provide the energy for the water cycle?

Key Academic Vocabulary

- Evaporation: change in state of matter from a liquid to a vapor or gas
- Condensation: change in state of matter from a gas to a liquid
- Water Cycle: the constant movement of water through the land, air, ocean, and living things