

FOURTH GRADE SCIENCE I can

- I can recognize that the majority of the Earth's surface is covered with water.
- I can recognize the different landforms and features that shape our Earth's surface.
- I can explain the difference between erosion and weathering.
- I can demonstrate landform changes on Earth's surface through experiments, investigations, or observations.
- I can identify the agents of weathering.
- I can identify what earth processes are slow (glaciers, freezing/thawing, deposition, deltas, valleys, weathering, and erosion).
- I can identify what earth processes are rapid (volcanoes, earthquakes, landslides, floods, plant growth, erosion).
- I can explain deposition and landform creation.
- I understand that erosion is a destructive process and deposition is a constructive process.
- I understand that nonliving and living things are related in ecosystems.
- I can explain how ecosystems can affect plants and animals.
- I can understand that fossils provide information about the past.
- I can identify similarities and differences of organisms.
- I can identify cell structures with a microscope or hand lens.

- I can explain that matter can change state and its mass will remain the same.
- I can explain that matter can change size and its mass will remain the same.
- I can explain that a solid can be dissolved in a liquid and its mass is the sum of both the solid and liquid.
- I understand that energy transfers from hot objects to cold objects, resulting in a temperature change.
- I can recognize that different materials affect the flow of heat.
- I can recognize materials are conductors and materials that are insulators.
- I understand that circuits require a complete loop of conducting materials through which an electrical energy can be transferred.
- I understand that electricity can be transformed into light, heat, sound, and motion.
- I understand that electricity and magnetism are closely related.
- I can observe and ask questions about the natural environment.
- I can plan and conduct simple investigations.
- I can employ simple equipment and tools to gather data and extend the senses.
- I can use appropriate mathematics with data to construct reasonable explanations.
- I can communicate about observations, investigations, and explanations.
- I can review and ask questions about the observations and the explanations of others.