Grade 4 Science

Earth's Living History

Learning Targets

Changes in an organism's environment are sometimes beneficial to its survival and sometimes harmful.	We are learning that there are changes in the environment that affect an ecosystem and the organism's(plants and animals)that live there. We are looking for: • biotic(living) and abiotic(nonliving)things live in an ecosystem • how the environment changes the ecosystem • how the change in the ecosystem affect the living and nonliving things
Fossils can be compared to one another and to present-day organisms according to their similarities and differences.	We are learning that fossils help us compare the types of organisms that lived long ago with those that exist today We are looking for: • similarities between fossils and organisms that live today • differences between fossils and organisms that live today

Grade 4 Science

Matter – Thermal Energy

Learning Targets

We are learning that energy can be transformed.	**We are looking for electrical energy in circuits to be transformed(changed) to:** • **light energy** • **heat energy** • **sound energy** • **motion energy**

Grade 4 Science

Matter – Thermal Energy

Learning Targets

PS4-2 Energy can be transformed from one form to another or can be transferred from one location to another.	**We are learning that energy can be transferred.** **We are looking for energy to transfer (move) from hot objects to cold objects resulting in a temperature change.**

Grade 4 Science

Matter

Learning Targets

PS4-1 The total amount of matter is conserved when it undergoes a change.	**We are learning that the amount of matter stays constant during any change.** **We are looking for the total amount of matter (weight/mass) to stay the same when:** • **an object is broken into smaller pieces.** • **matter changes state (solid to liquid or liquid to gas).** • **a solid is dissolved in a liquid**.

Grade 4 Science

Earth's Living History

Learning Targets

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