

Platte County School District #2

Science Standards

2nd Grade



2017-2018 School Year

Quarter 1: Scientific Method and Engineering Design

ESTABLISHED GOALS

K-2-ETS1-1: Ask questions, make observations, and gather information about a situation people want to change to define a simple problem that can be solved through the development of a new or improved object or tool.

K-2-ETS1-2: Develop a simple sketch, drawing, or physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.

K-2-ETS1-3: Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs.

Quarter 2: Structures and Properties of Matter

ESTABLISHED GOALS

2-PS1-1: Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.

[Clarification statement: Observations could include color, texture, hardness, and flexibility. Patterns could include the similar properties that different materials share.]

2-PS1-4: Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot.

[Clarification statement: Examples of reversible changes could include materials such as water and butter at different temperatures. Examples of irreversible changes could include cooking an egg, freezing a plant leaf, and heating paper.]



Quarter 3: Interdependent Relationships in Ecosystems

ESTABLISHED GOALS

2-LS2-2: Develop a simple model that mimics the function of an animal in dispersing seeds or pollinating plants. [Clarification Statement: Examples could include the natural structure of an animal that helps disperse seed (e.g., Hair that snares seeds, squirrel cheek pouches that transports seeds) or helps it pollinate plants (e.g., bees have fuzzy bodies to which pollen sticks, hummingbird's bodies transport pollen).]

2-LS4-1: Make observations of plants and animals to compare the diversity of life in different habitats. [Clarification Statement: Emphasis is on the diversity of living things in each of a variety of different habitats.] [State Assessment Boundary: Assessment does not include specific animal and plant names in specific habitats.]

Quarter 4: Earth's Systems – Processes That Shape the Earth

ESTABLISHED GOALS

2-ESS1-1: Use information from several sources to provide evidence that Earth events can occur quickly or slowly. [Clarification statement: Examples of events and timescales could include volcanic explosions and earthquakes, which happen quickly, and erosion of rocks, which occurs slowly.] [Assessment boundary: Assessment does not include quantitative measurements of timescales.]

2-ESS2-3: Obtain information to identify where water is found on Earth and that it can be solid or liquid.

