

2nd Grade



Structure and Properties of Matter

- 2-PS1-1 Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.
- 2-PS1-2 Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose. *
- 2-PS1-3 Make observations to construct an evidence-based account of how an object made of a small set of pieces can be disassembled and made into a new object.
- 2-PS1-4 Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot.

Interdependent Relationships in Ecosystems

- 2-LS2-1 Plan and conduct an investigation to determine if plants need sunlight and water to grow. **
- 2-LS2-2 Develop a simple model that mimics the function of an animal in dispersing seeds or pollinating plants. *
- 2-LS4-1 Make observations of plants and animals to compare the diversity of life in different habitats. **

Earth's Systems: Processes that Shape the Earth

- 2-ESS1-1 Use information from several sources to provide evidence that Earth events can occur quickly or slowly. *
- 2-ESS2-1 Compare multiple solutions designed to slow or prevent wind or water from changing the shape of the land. * **
- 2-ESS2-2 Develop a model to represent the shapes and kinds of land and bodies of water in an area.
 *2-ESS2-2 MI Develop a model to represent the state of Michigan and the Great Lakes, or a more local land area and water body.*
- 2-ESS2-3 Obtain information to identify where water is found on Earth and that it can be solid or liquid. **
 *2-ESS2-3 MI Obtain information to identify where fresh water is found on Earth, including the Great Lakes and Great Lakes Basin.*

* - Integrates traditional science content with engineering.



- Includes a Michigan specific performance expectation.

** - Allow for local, regional, or Michigan specific contexts or examples in teaching and assessment.

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Engineering Design

- 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.

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