West Virginia Science

Grade 2

Adopted 2022

Physical Science DOMAIN

Structure and Properties of Matter

1. Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties. S.2.1
2. Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose. S.2.2
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. S.2.3
4. Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot. S.2.4

Life Science DOMAIN

Interdependent Relationships in Ecosystems

5. Plan and conduct an investigation to determine if plants need sunlight and water to grow. S.2.5
6. Develop a simple model that mimics the function of an animal in dispersing seeds or pollinating plants. S.2.6
7. Make observations of plants and animals to compare the diversity of life in different habitats. S.2.7

Earth and Space Science DOMAIN

Earth's Systems: Processes that Shape the Earth

8. Use information from several sources to provide evidence that Earth events can occur quickly or slowly. S.2.8
9. Compare multiple solutions designed to slow or prevent wind or water from changing the shape of the land. S.2.9
10. Develop a model to represent the shapes and kinds of land and bodies of water in an area. S.2.10
11. Obtain information to identify where water is found on Earth and that it can be solid or liquid. S.2.11

Engineering, Technology, and Applications of Sci

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Engineering Design

12. 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. EDS.2.12

13. 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. EDS.2.13

14. Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs. EDS.2.14