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## Performance Expectations Structure and Properties of Matter

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

- LITERACY Participate in shared research and writing projects (e.g., read a number of books on a single topic to produce a report; record science observations). W.2.7
- LITERACY Recall information from experiences or gather information from provided sources to answer a question. W.2.8

# Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose. 2-PS1-2

- MATH Reason abstractly and quantitatively. MP.2
- MATH Model with mathematics. MP.4
- MATH Use appropriate tools strategically. MP.5
- MATH Draw a picture graph and a bar graph (with single-unit scale) to represent a data set with up to four categories. Solve simple put-together, take-apart, and compare problems using information presented in a bar graph. 2.MD.D.10
- LITERACY Describe how reasons support specific points the author makes in a text. RI.2.8
- LITERACY Participate in shared research and writing projects (e.g., read a number of books on a single topic to produce a report; record science observations). W.2.7
- LITERACY Recall information from experiences or gather information from provided sources to answer a question. W.2.8

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-PS1-3

- LITERACY Participate in shared research and writing projects (e.g., read a number of books on a single topic to produce a report; record science observations). W.2.7
- LITERACY Recall information from experiences or gather information from provided sources to answer a question. W.2.8

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

- LITERACY Ask and answer such questions as who, what, where, when, why, and how to demonstrate understanding of key details in a text. RI.2.1
- LITERACY Describe the connection between a series of historical events, scientific ideas or concepts, or steps in technical procedures in a text. RI.2.3
- LITERACY Describe how reasons support specific points the author makes in a text. RI.2.8
- LITERACY Write opinion pieces in which they introduce the topic or book they are writing about, state an opinion, supply reasons that support the opinion, use linking words (e.g., because, and, also) to connect opinion and reasons, and provide a concluding statement or section. W.2.1

## Performance Expectations Interdependent Relationships in Ecosystems

### Plan and conduct an investigation to determine if plants need sunlight and water to grow. 2-LS2-1

- MATH Reason abstractly and quantitatively. MP.2
- MATH Model with mathematics. MP.4
- MATH Use appropriate tools strategically. MP.5

#### Plan and conduct an investigation to determine if plants need sunlight and water to grow. 2-LS2-1

- LITERACY Participate in shared research and writing projects (e.g., read a number of books on a single topic to produce a report; record science observations). W.2.7
- LITERACY Recall information from experiences or gather information from provided sources to answer a question. W.2.8

# Develop a simple model that mimics the function of an animal in dispersing seeds or pollinating plants. 2-LS2-2

• MATH Model with mathematics. MP.4



## Performance Expectations Interdependent Relationships in Ecosystems, Continued

- MATH Draw a picture graph and a bar graph (with single-unit scale) to represent a data set with up to four categories. Solve simple put-together, take-apart, and compare problems. 2.MD.D.10
- LITERACY Create audio recordings of stories or poems; add drawings or other visual displays to stories or recounts of experiences when appropriate to clarify ideas, thoughts, and feelings. SL.2.5

#### Make observations of plants and animals to compare the diversity of life in different habitats. 2-LS4-1

- MATH Reason abstractly and quantitatively. MP.2
- MATH Model with mathematics. MP.4
- MATH Draw a picture graph and a bar graph (with single-unit scale) to represent a data set with up to four categories. Solve simple put-together, take-apart, and compare problems. 2.MD.D.10
- LITERACY Participate in shared research and writing projects (e.g., read a number of books on a single topic to produce a report; record science observations). W.2.7
- LITERACY Recall information from experiences or gather information from provided sources to answer a question. W.2.8

### Performance Expectations Earth's Systems: Processes that Shape the Earth

#### Use information from several sources to provide evidence that Earth events can occur quickly or slowly. 2-ESS1-1

- MATH Model with mathematics. MP.4
- MATH Understand place value. 2.NBT.A
- LITERACY Ask and answer such questions as who, what, where, when, why, and how to demonstrate understanding of key details in a text. RI.2.1
- LITERACY Describe the connection between a series of historical events, scientific ideas or concepts, or steps in technical procedures in a text. RI.2.3
- LITERACY With guidance and support from adults, use a variety of digital tools to produce and publish writing, including in collaboration with peers. W.2.6
- LITERACY Participate in shared research and writing projects (e.g., read a number of books on a single topic to produce a report; record science observations). W.2.7
- LITERACY Recall information from experiences or gather information from provided sources to answer a question. W.2.8
- LITERACY Recount or describe key ideas or details from a text read aloud or information presented orally or through other media. SL.2.2

# Compare multiple solutions designed to slow or prevent wind or water from changing the shape of the land. 2-ESS2-1

- MATH Reason abstractly and quantitatively. MP.2
- MATH Model with mathematics. MP.4
- MATH Use appropriate tools strategically. MP.5
- MATH Use addition and subtraction within 100 to solve word problems involving lengths that are given in the same units, e.g., by using drawings (such as drawings of rulers) and equations with a symbol for the unknown number to represent the problem. 2.MD.B.5
- LITERACY Describe the connection between a series of historical events, scientific ideas or concepts, or steps in technical procedures in a text. RI.2.3
- LITERACY Compare and contrast the most important points presented by two texts on the same topic. RI.2.9

#### Develop a model to represent the shapes and kinds of land and bodies of water in an area. 2-ESS2-2

- MATH Reason abstractly and quantitatively. MP.2
- MATH Model with mathematics. MP.4
- MATH Read and write numbers to 1000 using base-ten numerals, number names, and expanded form. 2.NBT.A.3
- LITERACY Create audio recordings of stories or poems; add drawings or other visual displays to stories or recounts of experiences when appropriate to clarify ideas, thoughts, and feelings. SL.2.5

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

- LITERACY With guidance and support from adults, use a variety of digital tools to produce and publish writing, including in collaboration with peers. W.2.6
- LITERACY Recall information from experiences or gather information from provided sources to answer a question. W.2.8

