



Indiana Department of Education

Dr. Katie Jenner, Secretary of Education

Grade 2 Correlation Guide 2016 Science Indiana Academic Standards to 2022 Performance Expectations*

Physical Science	
2016 Indiana Academic Standard	2022 Performance Expectation
K.PS.1 Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.	2-PS1-1. Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.
2.PS.4 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. 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.PS.3 Construct an argument with evidence that some changes caused by heating and cooling can be reversed and some cannot.	2-PS1-4. Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot.

Life Science	
2016 Indiana Academic Standard	2022 Performance Expectation
	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.
1.LS.3 Make observations of plants and animals to compare the diversity of life in different habitats.	2-LS4-1. Make observations of plants and animals to compare the diversity of life in different habitats.



Indiana Department of Education

Dr. Katie Jenner, Secretary of Education

Earth and Space Science	
2016 Indiana Academic Standard	2022 Performance Expectation
	2-ESS1-1. Use information from several sources to provide evidence that Earth events can occur quickly or slowly.
2.ESS.3 Investigate how wind or water change the shape of the land and design solutions for prevention.	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.ESS.4 Obtain information to identify where water is found on Earth and that it can be solid or liquid.	2-ESS2-3. Obtain information to identify where water is found on Earth and that it can be solid or liquid.

Engineering Design	
2016 Indiana Academic Standard	2022 Performance Expectation
K-2.E.1 Pose questions, make observations, and obtain information about a situation people want to change. Use this data to define a simple problem that can be solved through the construction of a new or improved object or tool.	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.E.2 Develop a simple sketch, drawing, or physical model to illustrate and investigate how the shape of an object helps it function as needed to solve an identified problem.	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.E.3 Analyze data from the investigation of two objects constructed to solve the same problem to compare the strengths and weaknesses of how each performs.	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.

*Performance expectations are three dimensional. All three dimensions (Disciplinary Core Ideas, Science and Engineering Practices, and Crosscutting Concepts) must be included as part of effective instruction.

For more information, see the [Indiana Department of Education's Indiana Academic Standards webpage](#) or contact the [Office of Teaching and Learning](#).