



**Kindergarten Correlation Guide  
2016 Science Indiana Academic Standards to 2022 Performance Expectations\***

<b>Physical Science</b>	
2016 Indiana Academic Standard	2022 Performance Expectation
<b>K.PS.3</b> Plan and conduct an investigation to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object.	<b>K-PS2-1.</b> Plan and conduct an investigation to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object.
<b>K.PS.4</b> Analyze data to determine if a design solution works as intended to change the speed or direction of an object with a push or a pull.	<b>K-PS2-2.</b> Analyze data to determine if a design solution works as intended to change the speed or direction of an object with a push or a pull.
<b>K.ESS.1</b> Make observations to determine the effect of sunlight on Earth's surface and use tools and materials to design and build a structure to reduce the warming effect on Earth's surface.	<b>K-PS3-1.</b> Make observations to determine the effect of sunlight on Earth's surface. <b>K-PS3-2.</b> Use tools and materials to design and build a structure that will reduce the warming effect of sunlight on an area.

<b>Life Science</b>	
2016 Indiana Academic Standard	2022 Performance Expectation
<b>K.LS.3</b> Use observations to describe patterns of what plants and animals (including humans) need to survive.	<b>K-LS1-1.</b> Use observations to describe patterns of what plants and animals (including humans) need to survive.

<b>Earth and Space Science</b>	
2016 Indiana Academic Standard	2022 Performance Expectation
<b>K.ESS.3</b> Investigate the local weather conditions to describe patterns over time.	<b>K-ESS2-1.</b> Use and share observations of local weather conditions to describe patterns over time.
	<b>K-ESS2-2.</b> Construct an argument supported by evidence for how plants and animals (including humans) can change the environment to meet their needs.



# Indiana Department of Education

Dr. Katie Jenner, Secretary of Education

<b>1.LS.4</b> Use a model to represent the relationship between the needs of different plants and animals (including humans) and the places they live.	<b>K-ESS3-1.</b> Use a model to represent the relationship between the needs of different plants and animals (including humans) and the places they live.
<b>2.ESS.2</b> Investigate the severe weather of the region and its impact on the community, looking at forecasting to prepare for, and respond to, severe weather.	<b>K-ESS3-2.</b> Ask questions to obtain information about the purpose of weather forecasting to prepare for, and respond to, severe weather.
<b>K.ESS.4</b> Communicate solutions that will reduce the impact of humans on the land, water, air, and/or other living things in the local environment.	<b>K-ESS3-3.</b> Communicate solutions that will reduce the impact of humans on the land, water, air, and/or other living things in the local environment.

<b>Engineering Design</b>	
<b>2016 Indiana Academic Standard</b>	<b>2022 Performance Expectation</b>
<b>K-2.E.1</b> 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.	<b>K-2-ETS1-1.</b> 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.
<b>K-2.E.2</b> 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.	<b>K-2-ETS1-2.</b> 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.
<b>K-2.E.3</b> Analyze data from the investigation of two objects constructed to solve the same problem to compare the strengths and weaknesses of how each performs.	<b>K-2-ETS1-3.</b> 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](#).