

Second Grade NGSS to 2016 IAS Correlation Guide

Physical Science	
Next Generation Science Standards	2016 Indiana Academic Standards
2-PS1-1: Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.	2.PS.1 Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.
	2.PS.2 Predict the result of combining solids and liquids in pairs. Mix, observe, gather, record, and discuss evidence of whether the result may have different properties than the original materials.
2-PS1-4: Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot.	2.PS.3 Construct an argument with evidence that some changes caused by heating and cooling can be reversed and some cannot.
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.PS.4 Analyze data obtained from testing different materials to determine which materials have the properties that are best suited for an intended purpose.

Earth and Space Science	
Next Generation Science Standards	2016 Indiana Academic Standards
	2.ESS.1 Record detailed weather observations, including cloud cover, cloud type, and type of precipitation on a daily basis over a period of weeks and correlate observations to the time of year. Chart and graph collected data.
K-ESS3-2: Ask questions to obtain information about the purpose of weather forecasting to prepare for, and respond to, severe weather.	2.ESS.2 Investigate the severe weather of the region and its impact on the community, looking at forecasting to prepare for, and respond to, severe weather.
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.3 Investigate how wind or water change the shape of the land and design solutions for prevention.

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2-ESS2-3: Obtain information to identify where water is found on Earth and that it can be solid or liquid.	2.ESS.4 Obtain information to identify where water is found on Earth and that it can be solid or liquid.
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Life Science	
Next Generation Science Standards	2016 Indiana Academic Standards
1-LS1-2: Read texts and use media to determine patterns in behavior of parents and offspring that help offspring survive.	2.LS.1 Determine patterns and behavior (adaptations) of parents and offspring which help offspring to survive.
	2.LS.2 Compare and contrast details of body plans and structures within the life cycles of plants and animals.
2-LS2-2: Develop a simple model that mimics the function of an animal in dispersing seeds or pollinating plants.	2.LS.3 Classify living organisms according to variations in specific physical features (i.e. body coverings, appendages) and describe how those features may provide an advantage for survival in different environments.

Engineering	
Next Generation Science Standards	2016 Indiana Academic Standards
K-2.E.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.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.E.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.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.E.3 Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs.	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.