North Dakota Science

Grade K

Adopted 2019

Motion and Stability: Forces and Interactions	**K-PS2-1.**	**Conduct an investigation to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object.** K-PS2-1
	K-PS2-2.	**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.** K-PS2-2
Energy	**K-PS3-1.**	**Make observations to determine the effect of sunlight on Earth's surface.** K-PS3-1
	K-PS3-2.	**Use tools and materials provided to design and build a structure that will reduce the warming effect of sunlight on Earth's surface.** K-PS3-2
From Molecules to Organisms: Structures and Processes	**K-LS1-1.**	**Describe patterns, through observation, of what plants and animals (including humans) need to survive.** K-LS1-1
Earth's Systems	**K-ESS2-1.**	**Use and share observations of local weather conditions to describe patterns over time.** K-ESS2-1
	K-ESS2-2.	**Construct an argument supported by evidence for how plants and animals (including humans) can change their environment to meet their needs.** K-ESS2-2
Earth and Human Activity	**K-ESS3-1.**	**Represent the relationship between the needs of different plants and animals (including humans) and the places they live using a model.** K-ESS3-1
	K-ESS3-2.	**Ask questions to obtain information about the purpose of weather forecasting to prepare for and respond to weather.** K-ESS3-2
	K-ESS3-3.	**Communicate solutions that will reduce the impact of humans on the land, water, air, and/or other living things in the local environment.** K-ESS3-3
Engineering & Te	**K-2-ET1-1.**	**Ask questions, make observations, and gather information to define a simple problem (a situation people want to change) that can be solved through the development of a new or improved object or tool.** K-2-ET1-1

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K-2-ET1-2. **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-ET1-2

K-2-ET1-3. **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-ET1-3