Green Township School District
Kindergarten Marking Period Science Benchmarks

Report Card Indicators				
K-PS2 Motion and Stability: Forces and interactions		**MP #1**	**MP #2**	**MP #3**
K-PS2-1. 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.	● Plan an investigation to compare the effects of different strengths or different directions of pushes and pulls on the motion of an object.			
	● Conduct an investigation to compare the effects of strengths or different directions of pushes and pulls on the motion of an object.			
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.*	● Analyze data to determine if a design solution works as intended to change the speed of an object with a push or a pull.			
	● Analyze data to determine if a design solution works as intended to change the of an object with a push or a pull.			
K-PS3 Energy		**MP #1**	**MP #2**	**MP #3**
K-PS3-1. Make observations to determine the effect of sunlight on Earth's surface.	● Make observations to determine the effects of sunlight on the earth's surface			
K-PS3-2. Use tools and materials to design and build a structure that will reduce the warming effect of sunlight on an area.	● Use tools design and build a structure that will reduce the warming effect of sunlight on an area.			
	● Use materials to design and build a structure that will reduce the warming effect of sunlight on an area.			
K-LS1 From Molecules to Organisms: Structures and Processes		**MP #1**	**MP #2**	**MP #3**
K-LS1-1. Use observations to describe patterns of what	● Use observations to describe patterns of what plants need to survive.			
	● Use observations to describe patterns of what animals (including humans)			

plants and animals (including humans) need to survive.	need to survive.			
K-ESS2 Earth's Systems		**MP #1**	**MP #2**	**MP #3**
K-ESS2-1. Use and share observations of local weather conditions to describe patterns over time.	● Use observations of local weather conditions to describe patterns over time.			
	● Share observations of local weather conditions to describe patterns over time.			
K-ESS2-2. Construct an argument supported by evidence for how plants and animals (including humans) can change the environment to meet their needs	● Construct an argument supported by evidence for how plants can change the environment to meet their needs			
	● Construct an argument supported by evidence for animals (including humans) can change the environment to meet their needs			
K-ESS3 Earth and Human Activity		**MP #1**	**MP #2**	**MP #3**
K-ESS3-1. Use a model to represent the relationship between the needs of different plants or animals (including humans) and the places they live.	● Use a model to represent the relationship between the needs of different plants and the places they live.			
	● Use a model to represent the relationship between the needs of different animals (including humans) and the places they live.			
K-ESS3-2. Ask questions to obtain information about the purpose of weather forecasting to prepare for, and respond to, severe weather	● Ask questions to obtain information about the purpose of weather forecasting to prepare for severe weather			
	● Ask questions to obtain information about the purpose of weather forecasting to prepare for severe weather			
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.	● Communicate solutions that will reduce the impact of humans on the land,. ● Communicate solutions that will reduce the impact of humans on the water in the local environment. ● Communicate solutions that will reduce the impact of humans on the air in the local environment. ● Communicate solutions that will reduce the impact of humans on organisms			

	in the local environment.			
K-2-ETS1 Engineering Design		**MP #1**	**MP #2**	**MP #3**
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.	● Ask questions 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.			
	● Make observations 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.			
	● 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-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.	● Develop a simple sketch or drawing to illustrate how the shape of an object helps it function as needed to solve a given problem.			
	● Develop a simple physical model to illustrate how the shape of an object helps it function as needed to solve a given problem.			
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	● Analyze data from tests of two objects designed to solve the same problem to compare the strengths and weaknesses of how each performs			