BENCHMARK REPORT
SCIENCE GRADE 2

ARCHDIOCESE CHICAGO CATHOLIC SCHOOLS

DOMAIN: Science			
NGSS/ Aspire Practices	**OCS Code:**	**Standards and Benchmarks**	**DOK**
Strand: 2. Structure and Properties of Matter: 2-PS1 Matter and its Interactions			
Practice 3	**2-PS1-1.**	**Plan and conduct an investigation to describe and classify different kinds of materials by their observable properties.**	
	2-PS1-1.1a	Define observable properties of materials	1
	2-PS1-1.2d	Plan an investigation to describe and classify sample materials by observable properties	4
	2-PS1-1.3b	Choose three properties that are observable in sample materials	2
	2-PS1-1.4b	Classify sample materials according to their observable properties	2
	2-PS1-1.5c	Describe sample materials in terms of their observable properties	3
Practice 4	**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-PS1-2.1c	Create a table or chart that shows observations of properties from different materials used to accomplish a purpose	3
	2-PS1-2.2d	Analyze observations of properties to determine the materials that best accomplish a specific purpose	4
Practice 6	**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-PS1-3.1d	Build an object made of small pieces and then build a new object from the same pieces	4
	2-PS1-3.2c	Describe the steps that were taken to build a new object from small pieces	3
Practice 7	**2-PS1-4.**	**Construct an argument with evidence that some changes caused by heating or cooling can be reversed and some cannot.**	
	2-PS1-4.1b	Identify the causes of changes resulting from heating and cooling materials	2
	2-PS1-4.2b	Categorize materials that do and do not return to their original state after being heated or cooled	2
	2-PS1-4.3c	Determine reasons that a material did or did not return to its original state after being heated and cooled	3
Strand: 2. Interdependent Relationships in Ecosystems: 2-LS2 Ecosystems: Interactions, Energy, and Dynamics			
Practice 3	**2-LS2-1.**	**Plan and conduct an investigation to determine if plants need sunlight and water to grow.**	
	2-LS2-1.1d	Plan an investigation to determine if plants need sunlight or not	4
	2-LS2-1.2c	Conduct an investigation to determine if plants need sunlight or not by following the steps of a very simple experiment	3
	2-LS2-1.3d	Plan an investigation to determine if plants need water or not	4
	2-LS2-1.4c	Conduct an investigation to determine if plants need water or not by following the steps of a very simple experiment	3
Practice 2	**2-LS2-2.**	**Develop a simple model that mimics the function of an animal in dispersing seeds or pollinating plants.**	
	2-LS2-2.1a	Define pollination and dispersing of seeds	1
	2-LS2-2.2b	Find several examples of animals that disperse and pollinate seeds	2
	2-LS2-2.3b	Compare the processes used by different animals to disperse and pollinate seeds	2
	2-LS2-2.4d	Create a diagram that models the steps that animals take when they disperse and pollinate seeds	4
Strand: 2. Interdependent Relationships in Ecosystems: 2-LS4 Biological Evolution: Unity and Diversity			
Practice 3	**2-LS4-1.**	**Make observations of plants and animals to compare the diversity of life in different habitats.**	
	2-LS4-1.1a	Define habitats	1

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	2-LS4-1.2b	Find several examples of similar types of animals that live in three different habitats	2
	2-LS4-1.3b	Find several examples of similar types of plants that live in three different habitats	2
	2-LS4-1.4b	Compare the characteristics of similar types of animals that live in different habitats	2
	2-LS4-1.5b	Compare the characteristics of similar types of plants that live in different habitats	2
Strand: 2. Earth's Systems: Processes that Shape the Earth: 2-ESS1 Earth's Place in the Universe			
Practice 6	**2-ESS1-1.**	**Use information from several sources to provide evidence that Earth events can occur quickly or slowly.**	
	2-ESS1-1.1a	Identify events that change the earth's physical features	1
	2-ESS1-1.2b	Find examples of events from several sources that change the earth's physical features quickly and also slowly	2
Strand: 2. Earth's Systems: Processes that Shape the Earth: 2-ESS2 Earth's Systems			
Practice 6	**2-ESS2-1.**	**Compare multiple solutions designed to slow or prevent wind or water from changing the shape of the land.**	
	2-ESS2-1.1a	Define erosion	1
	2-ESS2-1.2b	Gather information on three different ways that wind or water can be slowed or prevented from making changes in the shape of the land	2
	2-ESS2-1.3b	Compare the success of three different ways that wind or water can be slowed or prevented by making changes in the shape of the land	2
Practice 2	**2-ESS2-2.**	**Develop a model to represent the shapes and kinds of land and bodies of water in an area.**	
	2-ESS2-2.1b	Find examples of the shapes of lakes and rivers in several specific land areas	2
	2-ESS2-2.2b	Find examples of the features of land near rivers and lakes in several specific land areas	2
	2-ESS2-2.3d	Draw a picture of the shape of lakes and rivers and features of land based on several examples	4
Practice 8	**2-ESS2-3.**	**Obtain information to identify where water is found on Earth and that it can be solid or liquid.**	
	2-ESS2-3.1a	Define solid and liquid water	1
	2-ESS2-3.2b	Locate information on the amount of liquid and solid water found in each of the world's oceans	2
	2-ESS2-3.3b	Create a graph or chart that shows the amount of liquid and solid water found within each of the world's oceans	2