

PUSD Science District Instructional Guides (Date Updated: 9/13/19)

Grade Level: Kindergarten		Time: Quarter 1			
Unit Title: Physical Science - Five Senses		Essential Questions: What are the five senses and what body part is each sense related to? How do we use our senses to help us?			
		Phenomena: Salt or Sugar?			
Standards	Cross Cutting Concepts	Objectives (I Can)	Key Vocabulary	Resources (Activities/Lessons/Experiments)	Assessments
K.P2U1.1 Investigate how senses can detect light, sound, and vibrations even when they come from far away; use the collected evidence to develop and support an explanation.	patterns structure and function cause and effect	* I can identify the five senses and which body part is associated with them. * I can tell how I use my senses to help me. *I can make a tool that makes mine and other people's senses better.	sight smell taste touch hear senses	Salt or Sugar?	
K.P2U2.2 Design and evaluate a tool that helps people extend their senses					

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Grade Level: Kindergarten		Time: Quarter 2			
Unit Title: Space Science - Sun, Moon, and Stars		Essential Questions: What are the phases of the moon? How does our solar system effect our lives?			
		Phenomena: Melting snowman, How can the sun help you if you are lost?			
Standards	Cross Cutting Concepts	Objectives (I Can)	Key Vocabulary	Resources (Activities/Lessons/Experiments)	Assessments
K.E.2U1.5 Observe and ask questions about patterns of the motion of the sun, moon and stars in the sky.	patterns structure and function cause and effect stability and change	* I can identify the phases of our moon. * I can describe the effect our solar system has on my life.	crater reflect phase asteroid telescopes planets structure functions	Moon Phases Board Melting Snowman How can the sun help you if you are lost?	
				Mystery Science: Spinning Sky	

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Grade Level: Kindergarten		Time: Quarter 3			
Unit Title: Earth Science - Weather and Seasons		Essential Questions: How does the sun change through the seasons? What are different types of weather that occur through the seasons?			
		Phenomena:			
Standards	Cross Cutting Concepts	Objectives (I Can)	Key Vocabulary	Resources (Activities/Lessons/Experiments)	Assessments
K.E1U1.3 Observe, record and ask questions about temperature, precipitation, and other weather data to identify patterns or changes in local weather.	patterns cause and effect stability and change	* I can identify seasons and the effect of the sun in each. *I can describe different types of weather. *I can track and record data of temperature and weather. *I can tell you how the weather and temperature affects people, animals, and plants.	seasons weather storm temperature pressure direction speed water vapor predict patterns	Weather Chart and Cards	
K.E1U1.4 Observe, describe, ask questions, and predict seasonal weather patterns; and how those patterns impact plants and animals (including humans).				Sun Shade Structure	
				Mystery Science: Weather Watching	

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Grade Level: Kindergarten		Time: Quarter 4			
Unit Title: Life Science - Animal/Plant Adaptations		Essential Questions: How do you know something is living? What do plants need to live and grow? Do all animals live in the same place? What do animals need to live and grow?			
		Phenomena:			
Standards	Cross Cutting Concepts	Objectives (I Can)	Key Vocabulary	Resources (Activities/Lessons/Experiments)	Assessments
K.L.1U.1.6 Obtain, evaluate, and communicate information about how organisms use different body parts for survival.	patterns structure and function cause and effect	*I can tell how animals change and grow. *I can tell what type of animals live in a given habitat. *I can identify living and nonliving things. *I can state the needs and parts of a plant.	living non-living experiment habitat organism food water air soil sunlight roots flowers stem seeds fruit	Sunflowers Follow the Sun	
K.L.1U.1.7 Observe, ask questions, and explain how specialized structures found on a variety of plants and animals (including humans) help them sense and respond to their environment				Is there an animal in this picture?	
K.L.2U.1.8 Observe, ask questions, and explain the differences between the characteristics of living and non-living things.				Animal Adaptations: What Big Ears You Have?	
				Mystery Science: Plant & Animal Super Powers	