

			 1-ESS1.2 - Make observations at different times of year to relate the amount of daylight to the time of year. K-2.CCC.1.A - Patterns in the natural and human designed world can be observed, used to describe phenomena, and used as evidence. K-2.CCC.2.A - Events have causes that generate observable patterns. K-2.NOS.2.A - Scientists look for patterns and order when making observations about the world. K-2.NOS.4.B - Scientists search for cause and effect relationships to explain natural events. K-2.NOS.5.A - Science knowledge helps us know about the world. K-2.NOS.6.A - Science assumes natural events happen today as they happened in the past. K-2.NOS.6.B - Many events are repeated. 	sun can only be seen during the day. The moon is at different positions in the sky at different times of the day or night, appearing to rise in one part of the sky and appearing to set in another part of the sky.	 world earth stars seasonal sunrise sunset daylight solar system
November	Enduring Understandings	Essential X Questions	Standards X	Knowledge 💥 & Skills	Academic Language
December	Enduring Understandings	Essential X Questions	Standards X	Knowledge 💥 & Skills	Academic Language
ary	🚹 Grade 1 Cause and	Effect (Light and S	Sound Unit 2)		
January	Enduring Understandings	Essential X Questions	Standards 💥	Knowledge 💥 & Skills	Academic Language
	Sound and light can be used to communcate messgaes.	What is sound?	K-2.SEP.3.B - Plan and conduct an investigation collaboratively to produce data to serve as the basis for evidence to answer a question.	Sound can make matter vibrate, and vibrating matter can make sound.	-communicate / comunicar
		What is vibration? How do we use light and sound to create messages?	 K-2.SEP.4.E - Analyze data from tests of an object or tool to determine if it works as intended. K-2.SEP.6.B - Use tools and/or materials to design and/or build a device that solves a specific problem or a solution to a specific problem. K-2.SEP.3.E - Make observations (firsthand or from media) and/or measurements of a proposed object or tool or solution to determine if it solves a 	 Objects can be seen if light is available to illuminate them or if they give off their own light. Some materials allow light to pass through them, others allow only some light through and others block all the light and 	 -device / aparato vibrate/ vibración - - illuminate/iluminar -wave/ ola -light/ luz - sound/ sonido

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problem or meets a goal.	create a dark shadow on any surface	🚹 -shadow/sombra
K-2.SEP.3.F - Make predictions based on prior experiences.	beyond them, where the light cannot reach.	🔂 -beam/rayo
K-2.SEP.4.A - Record information (observations, thoughts, and ideas).	Mirrors can be used to redirect a light	artificial light
K-2.SEP.4.B - Use and share pictures, drawings, and/or writings of	beam.	🔂 natural light
observations.	People also use a variety of devices to	🔂 pitch
K-2.SEP.4.D - Compare predictions (based on prior experiences) to what occurred (observable events).	communicate (send and receive information) over long	olume
K-2.SEP.1.B - Ask and/or identify	distances.	strike
questions that can be answered by an investigation.	Shadows are made when light is	blow
K-2.SEP.1.C - Define a simple problem that can be solved through the development of a new or improved object or tool.	blocked by an object.	pluck/strum stroke
K-2.SEP.1.A - Ask questions based on observations to find more information about the natural and/or designed world(s).		
1-PS4.1 - Plan and conduct investigations to provide evidence that vibrating materials can make sound and that sound can make materials vibrate.		
1-PS4.2 - Make observations to construct an evidence-based account that objects can be seen only when illuminated.		
1-PS4.3 - Plan and conduct an investigation to determine the effect of placing objects made with different materials in the path of a beam of light.		
1-PS4.4 - Use tools and materials to design and build a device that uses light or sound to solve the problem of communicating over a distance.*		
K-2.SEP.6.A - Make observations (firsthand or from media) to construct an evidence-based account for natural phenomena.		
K-2.CCC.2.B - Simple tests can be designed to gather evidence to support or refute student ideas about causes.		
K-2.SEP.8.D - Communicate information or design ideas and/or solutions with others in oral and/or written forms using models, drawings, writing, or numbers that provide detail about scientific ideas, practices, and/or design ideas.		
K-2.NOS.1.A - Science investigations begin with a question.		
K-2.NOS.1.B - Scientist use different ways to study the world.		
K-2.NOS.7.A - People have practiced science for a long time.		

			 K-2.NOS.7.B - Men and women of diverse backgrounds are scientists and engineers. K-2.PS4.A - Wave properties ~ Sound can make matter vibrate, and vibrating matter can make sound. K-2.PS4.B - Electromagnetic radiation ~ Objects can be seen only when light is available to illuminate them. K-2.PS4.C - Information technologies and instrumentation ~ People use devices to send and receive information. 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. 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. 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. 		
February	Enduring Understandings ^{XX}	Essential X Questions	Standards 🛛 🕅	Knowledge _≍ & Skills	Academic Language
March	Enduring Understandings ^{××}	Essential X Questions	Standards 🛛 💥	Knowledge 💥 & Skills	Academic Language
April	Enduring Understandings	Essential X Questions	Standards 🛛 🕅	Knowledge _≍ & Skills	Academic Language
May	🔂 Grade 1 Survival (U	nit 3) adaptation, o	change, survival, enviroment, interd	ependence	
	Enduring Understandings ^{××}	Essential X Questions	Standards 🔀	Knowledge 💥 & Skills	Academic Language
	Adaptations are essential to survival.	How do adaptations help you survive? How do patterns improve survival?	 K-2.LS1.A - Structure and function ~ All organisms have external parts that they use to perform daily functions. K-2.LS1.B - Growth and development of organisms ~ Parents and offspring often engage in behaviors that help the offspring survive. K-2.LS1.C - Organization for matter and energy flow in organisms ~ Animals obtain food they need from plants or other animals. Plants need water and light. 	use their body parts in different ways. Plants also have different parts that help them survive and grow.	 -animal / animal -plant / planta -protect / proteger -survival / supervivencia -similar / similar -young / joven



				determine patterns in and/or evidence about the natural and designed world				
June	Enduring Understandings	Essential Questions	22	Standards	×	Knowledge 💥 & Skills	Academic Language	X
July	Enduring Understandings ^{××}	Essential Questions	×	Standards	×	Knowledge _≫ & Skills	Academic Language	X