SCIENCE STANDARDS

STANDARD #	CATEGORY	CORE	STANDARD	1ST QTR	2ND QTR	3RD QTR	4TH QTR
3.PS1	Physical Science	Matter and Its Interactions	1) Describe the properties of solids, liquids, and gases and identify that matter is made up of particles too small to be seen.			3	
3.PS2	Physical Science	Matter and Its Interactions	2) Differentiate between changes caused by heating or cooling that can be reversed and that cannot.			3	
3.PS3	Physical Science	Matter and Its Interactions	3) Describe and compare the physical properties of matter including color, texture, shape, length, mass, temperature, volume, state, hardness, and flexibility.			3	
3.PS2	Physical Science	Motion and Stability: Forces and Interactions	1) Explain the cause and effect relationship of magnets.			3	
3.PS3	Physical Science	Motion and Stability: Forces and Interactions	2) Solve a problem by applying the use of the interactions between two magnets.			3	
3.PS3	Physical Science	Energy	1) Recognize that energy is present when objects move; describe the effects of energy transfer from one object to another.			3	
3.PS3	Physical Science	Energy	2) Apply scientific ideas to design, test, and refine a device that converts electrical energy to another form of energy, using open or closed simple circuits.			3	
3.PS3	Physical Science	Energy	3) Evaluate how magnets cause changes in the motion and position of objects, even when the objects are not touching the magnet.			3	
3.LS1	Life Science	From Molecules to Organisms: Structures and Processes	1) Analyze the internal and external structures that aquatic and land animals and plants have to support survival, growth, behavior, and reproduction.	1			
3.LS2	Life Science	Ecosystems: Interactions, Energy, and Dynamics	1) Construct an argument to explain why some animals benefit from forming groups.	2			
3.LS4	Life Science	Biological Change: Unity and Diversity	1) Explain the cause and effect relationship between a naturally changing environment and an organism's ability to survive.	3			
3.LS5	Life Science	Biological Change: Unity and Diversity	2) Infer that plant and animal adaptations help them survive in land and aquatic biomes.	4			
3.LS6	Life Science	Biological Change: Unity and Diversity	3) Explain how changes to an environment's biodiversity influence human resources.		2		
3.ESS1	Earth & Space Science	Earth's Place in the Universe	1) Use data to categorize the planets in the solar system as inner or outer planets according to their physical properties.		2		
3.ESS2	Earth & Space Science	Earth's Systems	1) Explain the cycle of water on Earth.	1			
3.ESS3	Earth & Space Science	Earth's Systems	2) Associate major cloud types (cumulus, cumulonimbus, cirrus, stratus, nimbostratus) with weather conditions.		2		

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3.ESS4	Earth & Space Science	Earth's Systems	3) Use tables, graphs, and tools to describe precipitation, temperature, and wind (direction and speed) to determine local weather and climate.		2		
3.ESS5	Earth & Space Science	Earth's Systems	4) Incorporate weather data to describe major climates (polar, temperate, tropical) in different regions of the world.		2		
3.ESS3	Earth & Space Science	Earth and Human Activity	1) Explain how natural hazards (fires, landslides, earthquakes, volcanic eruptions, floods) impact humans and the environment.		2		
3.ESS4	Earth & Space Science	Earth and Human Activity	2) Design solutions to reduce the impact of natural hazards (fires, landslides, earthquakes, volcanic eruptions, floods) on the environment.		2		
3.ETS1	Engineering, Technology, & Applications of Science	Engineering Design	1) Design a solution to a real-world problem that includes specified criteria for constraints.				4
3.ETS2	Engineering, Technology, & Applications of Science	Engineering Design	2) Apply evidence or research to support a design solution.				4
3.ETS2	Engineering, Technology, & Applications of Science	Links Among Engineering, Technology, Science, and Society	1) Identify and demonstrate how technology can be used for different purposes.				4