DCI (Disciplinary Core Ideas)	Science and Engineering Practices	Cross Cutting Concepts	Student Learning Objectives	Differentiated Activities (Consider the 5 Es)	Resources/Technology	Formative Assessments	Benchmark Assessment
infall helps to shape the land and fects the types of living things found in	Make observations and/or measurements to produce data to serve as the basis for	Cause and effect relationships are routinely identified, tested, and used to	1. SWBAT identify, test, and measure the cause-and-effect relationship of water and	Water and Wind Lesson Plans	BrainPop.Com: Erosion	Pre-Assessment	Earth Systems Test
egion. Water, ice, wind, living ganisms, and gravity break rocks,	evidence for an explanation of a phenomenon. (4-ESS2-1)	explain change. (4-ESS2-1)	ice erosion and used to explain change in landforms due to water	Salt and Chalk Lab	PBS Water Erosion	Erosion Constructed Response	Performance Objective Rubric
ls, and sediments into smaller ticles and move them around. (4-	prictionicalOff. (4*E-0-02*1)		erosion.  2. SWBAT identify, test, and measure the	Glacial Erosion Lesson Plan	Glacial Erosion Video	Formative Assessment	Performance Objective Task
S2-1)			cause-and-effect relationship of wind erosion and used to explain change in landforms due to wind erosion.	<u>Ice Breaks Lab</u>	Erosion Virtual Lab	Constructed Response-Landforms	The Changing Earth Test
				The case of the disappearing soccer field	Erosion math		
		vations and/or measurements. Cause and effect relationships are	3. SWBAT identify, test, and measure the cause-and-effect relationship of rock erosion caused by living organisms. 4. SWBAT identify, test, and measure the cause-and-effect relationship of rock erosion caused by gravity	Why does the surface change?			
ving things affect the physical aracteristics of their regions. (4-ESS2-	Make observations and/or measurements to produce data to serve as the basis for	Cause and effect relationships are routinely identified, tested, and used to	SWBAT observe, test, and measure the effects of plants on weathering and erosion.	Can plants stop soil erosion? Lab		Soil Erosion Formative Assessment	
fracteristics of their regions. (4-E-552-	evidence for an explanation of a	explain change. (4-ESS2-1)	egjects of plants on weathering and erosion.	Root Pry			
	phenomenon. (4-ESS2-1)						
cal, regional, and global patterns of	Identify the evidence that supports	Patterns can be used as evidence to	1. SWBAT use evidence to explain the	Earth System Walk		Earthquakes Constructed Response	
ck formations reveal changes over	particular points in an explanation. (4-	support an explanation. (4-ESS1-1)	patterns of erosion on local landforms.			Larinquakes Constructed Response	
ne due to earth forces, such as rthquakes. The presence and location	ESS1-1)		SWBAT use evidence to explain the patterns of certrain fossil types and the rock	Plates and boundaries Who's right about quakes?			
certain fossil types indicate the order which rock layers were formed. (4-			layers formed. 3. SWBAT explain causes of earthquakes	Written in Stone Lab			
581-1)	an 4.	and the effects on the natural earth.  4. SWBAT explain causes of volcanos and the effects on the natural earth.	Cake Batter Lava				

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