Unit Plan: Weather and Water (FOSS) Year: Odd

Subject: Science

Thematic Concept:	Universal EQ:			
Change	Why does change have positive and negative consequences?			
Supporting Concept:	Content-Based EQ: How might change			
Generalizations: Humans cause changes to the er many factors; human behaviors are effect or change	nvironment; the weather causes humans to make adjust based on the weather	ustments and changes; weather changes based on		
Standard(s): (NGSS) MS-ESS1-1; MS-ESS2-4/6	/6; MS-ESS3-2/3/4/5; MS-PS1-4; MS-PS3-4			
Weather and Climate; Human Impact				
earth and physical science properties.	atmosphere, weather, and water. Students will also			
Conceptual Knowledge	Procedural Knowledge (21 st Century Skills)	Factual Knowledge		
 Students will understand: Why patterns of weather occur. The causes & effects of weather on 	 Students will be able to do: Define problems related to humans and weather. 	 Students will know: Vocabulary related to weather & water Safety rules for science 		

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	 Construct explanations and de to weather related issues. Engage in discussions using e Obtain, evaluate and communinformation. 	vidence.
 Conceptual Formative Assessments: Foss Benchmark Assessments 	Procedural Formative Assessmen Foss Benchmark Assessme	
 Conceptual Summative Assessments: Students will create an investiga provide answers to "How has the environment changed based on interactions?" 	e recording, analyzing, and in	• Test on unit vocabulary
 Affective Self-Regulatory Strategies: Building confidence through collaboration 	Behavioral Self-Regulatory Strat Science safety procedures Scientific methods 	egies: • Reflection on daily practice

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• Website	25:				
0	http://www.weather.com/science/space/news/top-space-feats-	-2014			
0	http://scied.ucar.edu/activity/weather-and-climate-data-explo	ration			
0	http://www.nasa.gov/audience/foreducators/postsecondary/fe	atures/F_Planet_Seasons.html			
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