NAME _____ CLASS PERIOD _____

Scale	**Climate and Weather: Learning Scales**	Wk 1	Wk 2
4.0	**MORE COMPLEX:** *Using the Marzano Taxonomy, consider a level of thinking above the level of the goal.* Benchmark:		
3.0	Benchmark: SC.6.E.7.2 Investigate and apply how the cycling of water between the atmosphere and hydrosphere has an effect on weather patterns and climate. (SUPPORT BENCHMARK SC.6.E.7.3, SC.6.E.7.6) SC.6.E.7.3 Describe how global patterns such as the jet stream and ocean currents influence local weather in measurable terms such as temperature, air pressure, wind direction and speed, and humidity and precipitation. SC.6.E.7.6 Differentiate between weather and climate. (ELABORATIVE BENCHMARK SC.912.E.7.5, SC.912.E.7.6) SC.912.E.7.5 Predict future weather conditions based on present observations and conceptual models and recognize limitations and uncertainties of such predictions. SC.912.E.7.6 Relate the formation of severe weather to the various physical factors.		
2.0	Differentiate between weather patterns and climate.		
	Define common measurable weather terms.		
	Describe how the jet stream and ocean currents influence local weather.		
	Identify severe weather conditions and describe the physical factors.		
	Use a current weather map and investigate weather patterns to predict future weather conditions		
	Predict weather conditions based on observations and models.		
	Explain the limitations of short-range and long-range weather forecasts, and the uncertainties of such predictions.		
	Identify the causes of severe weather.		
	Compare and contrast physical factors that affect the formation of severe weather events.		

4= I can teach it	3=I can pass any quiz	2= I can do it with help	1= I have no idea what you are talking about

VOCABULARY YOU NEED TO KNOW							
	Water cycle			Temperature			Severe weather
	Atmosphere			Air pressure			Hurricanes
	Hydrosphere			Wind			Tornadoes
	Weather			Humidity			Flash floods
	Climate			Precipitation			Thunderstorms
	Jet stream			Density			Drought
	Global patterns			Models			
	Ocean currents			Weather maps			