

Teacher: John Anchorman	Subject: Science –grade 5	Month: March-April-six weeks
Unit: Understanding and Forecasting Weather		(*Active Literacy Across Classrooms)

ESSENTIAL QUESTIONS	CONTENT	SKILLS	ASSESSMENTS	RESOURCES
<ul style="list-style-type: none"> • How does weather affect our society? • How do meteorologists gather and interpret data to predict the weather? 	<ul style="list-style-type: none"> • CONCEPT: Weather patterns are observed by scientists to predict impact on people and places. • Water Cycle • Air Masses and Fronts • Clouds • Precipitation • Thunderstorms, Tornadoes, and Hurricanes • Weather Measurements • Weather map, radar, and satellite interpretation • Weather relay systems to share info among people around the world • Factors effecting safety and communication <p><i>*TERMS: meteorology, anemometer, thermometer, pressure system, air mass, front</i></p>	<ul style="list-style-type: none"> • Analyze how weather affects specific people in specific locations. • Explain how water moves through the water cycle • Describe the components and influence of relative humidity • Identify and describe the relationship between dew point and condensation • Identify three types of clouds and four types of precipitation • Identify the four kinds of air masses and fronts that influence weather in the U.S. • Describe the formation of thunderstorms, tornadoes, and hurricanes • Describe the different types of tools used to measure the weather • Explain how to interpret a weather map • Evaluate SES factors <p><i>*EMPLOY terms in speech and in writing</i> <i>*EDIT for complete sentences on formal writing</i></p>	<ul style="list-style-type: none"> • Weather Journal for Predictions and Observations • Build and implement anemometer and barometer for collecting weather data • Critique in report form with graphs of mass media weather report accuracy • Group weather forecasts using personal instruments and NWS information • Analysis long term weather changes with spread sheet data collection • 3-D water cycle model • Read pages 38-63 in the Weather and Climate textbook-response in science log • Hurricane Katrina essay focusing on the aftermath, cost, and future prevention <p><i>*CORRECT use of terms</i> <i>*CORRECT edits for complete sentences on written work.</i></p>	<ul style="list-style-type: none"> • Textbook (pages 38-63) • National Weather Service: http://www.nws.noaa.gov/ • Weather Underground: www.wunderground.com • hurricane Katrina info: http://en.wikipedia.org/wiki/Effect_of_Hurricane_on_New_Orleans • Reference books • Weather lab equipment and model building • Digital projector with laptop • Smartboard

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