

Weather News Station STEAM Project Rubric

Student Name _____

Science				
Points	20	15	10	5
Weather Instruments (S.4.E.4a)	Can identify ALL the weather instruments and explain how each is used in gathering weather data and making forecasts	Can identify MOST of the weather instruments and explain how they are used in gathering weather data and making forecasts	Can identify SOME the weather instruments and explain how they are used in gathering weather data and making forecasts	Can identify NONE the weather instruments and explain how they are used in gathering weather data and making forecasts
Prediction and Data Collection (S.4.E.4c)	Exceeds expectations for observing and recording weather conditions to predict weather patterns	Meets expectations for observing and recording weather conditions to predict weather patterns	Approaching expectations for observing and recording weather conditions to predict weather patterns	Does not meet expectations for observing and recording weather conditions to predict weather patterns.
Interpret Weather Conditions/Script (S.4.E.4b)	Script is well written with an accurate weather analysis which identifies the fronts, temperature, and precipitation and uses this information to interpret the weather conditions	Script has an accurate weather analysis but struggles with identifying ONE of the following: the fronts, temperature, and precipitation or using the information to interpret the weather conditions	Script has a mostly accurate weather analysis but struggles with identifying TWO of the following: the fronts, temperature, and precipitation or using the information to interpret the weather conditions	Script does not have an accurate weather analysis AND struggles with identifying MORE THAN TWO of the following: the fronts, temperature, and precipitation and using the information to interpret the weather conditions.
Weather and Climate (S.4.E.4d)	Can provide SEVERAL (3 or more) examples of how weather and climate differ.	Can provide A FEW (1-2) examples of how weather and climate differ.	Can provide ONE example of how weather and climate differ.	CANNOT provide examples of how weather and climate differ.
Total - _____				/60

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Technology			
	15	10	5
Technology Concepts (ISTE-S 1) Demonstrates creative thinking, construct knowledge, and develops innovative products and processes using technology.	Exceeds	Meets	Approaching
Critical thinking, problem solving, and decision making (ISTE-S 4) Students use critical thinking skills to plan and conduct research, manage projects, solve problems, and make informed decisions using appropriate digital tools and resources.	Exceeds	Meets	Approaching
Technology operations and concepts (ISTE-S 6) Students demonstrate a sound understanding of technology concepts, systems, and operations.	Exceeds	Meets	Approaching
			Total - _____/45

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Engineering			
	15	10	5
<p>Asking Questions and Defining Problems (3-5-ETS1-1)</p> <p>Engineers a working weather instrument which includes several criteria for success and constraints on materials, time, and cost (with assistance)</p>	Exceeds	Meets	Approaching
<p>Planning and Carrying Out Investigations (3-5-ETS1-3)</p> <p>Plans and conducts investigations collaboratively to produce data to serve as the basis for evidence</p>	Exceeds	Meets	Approaching
<p>Constructing Explanations and Designing Solutions (3-5-ETS1-2)</p> <p>Generates and compares multiple solutions to a problem based on how well they meet the criteria and constraints of the design problem</p>	Exceeds	Meets	Approaching
			<p>Total - _____/45</p>

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Arts			
	15	10	5
<p style="text-align: center;">Script (TAES4.2)</p> <p>-Creates in-depth scripts that include character motivation and dialogue -Creates an organizing structure for writing scripts</p>	Exceeds	Meets	Approaching
<p style="text-align: center;">Acting (TAES4.3)</p> <p>Collaborates with an ensemble by acting with articulation an appropriate volume, body movement and uses the imagination to dramatize the script.</p>	Exceeds	Meets	Approaching
<p style="text-align: center;">Artistic and Technical Elements (TAES 4.4)</p> <p>Uses technical theatre elements to design simple costumes, props, sets, sound and lighting</p>	Exceeds	Meets	Approaching
			Total - _____/45

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Mathematics			
	15	10	5
Measurements (M.4.MD.1) Students knows the relative sizes of measurements and record measurement equivalencies.	Exceeds	Meets	Approaching
Line Plots (M.4.MD.4) Makes a line plot to display a data set of measurements.	Exceeds	Meets	Approaching
			Total - _____/30

Culminating Requirements				
Points	15	10	5	0
Collaboration with Peers	Almost always listens to, shares with, and supports the efforts of others in the group. Tries to keep people working together well.	Usually listens to, shares with, and supports the efforts of others in the group. Does not cause "waves" in the group.	Often listens to, shares with, and supports the efforts of others in the group but sometimes is not a good team member.	Rarely listens to, shares with, and supports the efforts of others in the group. Often is not a good team member.
Points	10	5	0	
Grammar and Mechanics	Few misspellings or grammatical errors	Several spelling and grammatical errors	A lot of spelling and grammatical errors.	
				Total - _____/25

