

Name \_\_\_\_\_

**Hurricane Model Rubric**

Score: __ / 92 =
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Use this rubric as a "checklist" to make sure that you are completing all components of your model.

Component	You Got This! (4)	Getting There... (3)	Needs Work. (2)	Where Is It? (0)
<b>Title</b> weight = x1	<input type="checkbox"/> Title is descriptive  <input type="checkbox"/> Student's full name is under title	<input type="checkbox"/> Title is present but not descriptive  <input type="checkbox"/> Student's full name is under title	<input type="checkbox"/> Title is irrelevant to the topic  <input type="checkbox"/> Student's full name is not under title	<input type="checkbox"/> This component is incomplete or inaccurate.
<b>Overall Presentation</b> weight = x2	<input type="checkbox"/> Model is extremely well-organized by topic  <input type="checkbox"/> Every topic is well-labeled  <input type="checkbox"/> Every topic includes a good scientific diagram  <input type="checkbox"/> Every topic includes a well-thought out explanation  <input type="checkbox"/> All text is clear and legible	<input type="checkbox"/> Model is well-organized by topic  <input type="checkbox"/> Most topics are well-labeled  <input type="checkbox"/> Most topics include a good scientific diagram  <input type="checkbox"/> Most topics include a well-thought out explanation  <input type="checkbox"/> Most text is clear and legible	<input type="checkbox"/> Model is somewhat organized by topic  <input type="checkbox"/> Topics are not well-labeled  <input type="checkbox"/> Most topics do not include a good scientific diagram  <input type="checkbox"/> Most topics do not include a well-thought out explanation  <input type="checkbox"/> Most text is unclear and/or illegible	<input type="checkbox"/> This component is incomplete or inaccurate.
<b>TOPIC: formation of hurricanes</b> weight = x3	<input type="checkbox"/> Topic covers all relevant content on density, convection, pressure, wind, and the Coriolis effect  <input type="checkbox"/> Diagram is scientifically accurate  <input type="checkbox"/> Explanation is scientifically accurate	<input type="checkbox"/> Topic missing some relevant content  <input type="checkbox"/> Diagram is mostly scientifically accurate or only partially done  <input type="checkbox"/> Explanation is mostly scientifically accurate or only partially done	<input type="checkbox"/> Topic missing most content  <input type="checkbox"/> Diagram is not scientifically accurate or is missing  <input type="checkbox"/> Explanation is not scientifically accurate or is missing	<input type="checkbox"/> This component is incomplete or inaccurate.
<b>TOPIC: paths of hurricanes</b> weight = x3	<input type="checkbox"/> Topic includes geographic information that is thorough and accurate and all relevant content on global wind patterns and the Coriolis effect  <input type="checkbox"/> Diagram is scientifically accurate  <input type="checkbox"/> Explanation is scientifically accurate	<input type="checkbox"/> Topic includes geographic information that is less than thorough and/or inaccurate or topic is missing some relevant content  <input type="checkbox"/> Diagram is mostly scientifically accurate or only partially done  <input type="checkbox"/> Explanation is mostly scientifically accurate or only partially done	<input type="checkbox"/> Topic includes geographic information that is incorrect or topic missing most content  <input type="checkbox"/> Diagram is not scientifically accurate or is missing  <input type="checkbox"/> Explanation is not scientifically accurate or is missing	<input type="checkbox"/> This component is incomplete or inaccurate.

Name \_\_\_\_\_

Component	You Got This! (4)	Getting There... (3)	Needs Work. (2)	Where Is It? (0)
<b>TOPIC: life cycle of hurricanes</b> weight = x3	<input type="checkbox"/> Topic covers all relevant content on wind speed, storm intensity, water temperature, energy  <input type="checkbox"/> Diagram is scientifically accurate  <input type="checkbox"/> Explanation is scientifically accurate	<input type="checkbox"/> Topic missing some relevant content  <input type="checkbox"/> Diagram is mostly scientifically accurate or only partially done  <input type="checkbox"/> Explanation is mostly scientifically accurate or only partially done	<input type="checkbox"/> Topic missing most content  <input type="checkbox"/> Diagram is not scientifically accurate or is missing  <input type="checkbox"/> Explanation is not scientifically accurate or is missing	<input type="checkbox"/> This component is incomplete or inaccurate.
<b>TOPIC: hurricanes and landfall</b> weight = x3	<input type="checkbox"/> Topic covers all relevant content on storm surges, storm categorization  <input type="checkbox"/> Diagram is scientifically accurate  <input type="checkbox"/> Explanation is scientifically accurate	<input type="checkbox"/> Topic missing some relevant content  <input type="checkbox"/> Diagram is mostly scientifically accurate or only partially done  <input type="checkbox"/> Explanation is mostly scientifically accurate or only partially done	<input type="checkbox"/> Topic missing most content  <input type="checkbox"/> Diagram is not scientifically accurate or is missing  <input type="checkbox"/> Explanation is not scientifically accurate or is missing	<input type="checkbox"/> This component is incomplete or inaccurate.
<b>TOPIC: hurricanes and climate change</b> weight = x3	<input type="checkbox"/> Topic covers all relevant content on sea-surface temperatures, thermal expansion of water, trends regarding frequency and intensity of storms  <input type="checkbox"/> Diagram is scientifically accurate  <input type="checkbox"/> Explanation is scientifically accurate	<input type="checkbox"/> Topic missing some relevant content  <input type="checkbox"/> Diagram is mostly scientifically accurate or only partially done  <input type="checkbox"/> Explanation is mostly scientifically accurate or only partially done	<input type="checkbox"/> Topic missing most content  <input type="checkbox"/> Diagram is not scientifically accurate or is missing  <input type="checkbox"/> Explanation is not scientifically accurate or is missing	<input type="checkbox"/> This component is incomplete or inaccurate.
<b>Connections</b> weight = x5	<input type="checkbox"/> Model shows clear connections among all topics  <input type="checkbox"/> All connections are explained using scientifically accurate terminology  <input type="checkbox"/> Connections reveal a “story” of how hurricanes work and what they do	<input type="checkbox"/> Model shows some connections among all topics  <input type="checkbox"/> Most connections are explained using scientifically accurate terminology  <input type="checkbox"/> Connections reveal a “story” of how hurricanes work and what they do	<input type="checkbox"/> Model shows few connections among all topics  <input type="checkbox"/> Explanations of connections are scientifically inaccurate  <input type="checkbox"/> Connections reveal a “story” of how hurricanes work and what they do	<input type="checkbox"/> This component is incomplete or inaccurate.