

Name _____

Modeling Rubric

Project area	Beginning	Needs Improvement	Proficient	Advanced
Content	<p>Student's model has significant scientific inaccuracies in depicting relationships or concepts which are not support by (or contrary to) evidence. The model will likely lead to inaccurate explanations or predictions of the phenomenon or modeling scenario.</p>	<p>Student's model has some scientific inaccuracies in depicting relationships or concepts which are not supported by evidence. The model may lead to inaccurate explanations or predictions of the phenomenon or modeling scenario.</p>	<p>Student's model is mostly scientifically accurate, and shows relationships and concepts based on evidence that can be used to explain the phenomenon or modeling scenario and can be used to make reasonable predictions.</p>	<p>Student's model is scientifically accurate, and shows relationships and concepts based on evidence that can be used to explain the phenomenon or modeling scenario and can be used to make reasonable predictions.</p>
Completeness	<p>Student's model has minimal components that are used to describe the phenomenon or modeling scenario.</p>	<p>Student's model is missing important components that are necessary to describe the phenomenon or modeling scenario</p>	<p>Student's model describes most aspects of the complexity and interconnectedness of the different elements that influence the phenomenon or modeling scenario.</p>	<p>Student's model fully describes the complexity and interconnectedness of the different elements that influence the phenomenon or modeling scenario.</p>
Craftsmanship	<p>Student's model is disorganized in a way that prevents others from understanding and interpreting the contents of the model. Errors in spelling in grammar (if present) make the model difficult to understand.</p>	<p>Student's model may be somewhat disorganized in a way that makes it difficult for others to understand and interpret the content of the model. Errors in spelling and grammar (if present) may prevent understanding.</p>	<p>Student's model is organized in a way that it is not difficult for others to understand and interpret the content of the model. Spelling and grammar (if present) are mostly correct.</p>	<p>Student's model is well organized in a way that allows others to easily understand and interpret the content of the model. Spelling and grammar (if present) are correct.</p>