

## **Model Mania Rubric**

	4	3	2	1
<b>Define the Problem</b>	Problem was clearly stated and supported with reasoning by giving specific details, examples, or comparisons.	The problem was clearly stated and supported. The reasoning was given but at a very basic level. (Ex: I want to communicate these ideas through my art...)	Problem was given with no support in reasoning.	The problem was not clear or organized. No support or reasoning was provided.
<b>Generate Concepts</b>	The process for generating and comparing possible design solutions was comprehensive with thorough details provided.	The process for generating and comparing possible design solutions was adequate with the details provided.	The process for generating and comparing possible design solutions was lacking with minimal details provided.	Design Solution Missing
<b>Design the Solution</b>	Technical drawings are drawn to scale with labeling. Listing of materials with quantities required. A thorough description of the procedure you will use to test it is included.  How are you gathering feedback/data?	Technical drawings are not drawn to scale but are properly labeled. Listing of materials with quantities required. A description of the procedure you will use to test it is included with minimal details.	Technical drawings are not drawn to scale and are not properly labeled.  or Listing of materials with quantities missing.  Or A description of the procedure you will use to test it is missing.	None of the three criteria is met.
<b>Engineering (Build and Test) (Evaluate)</b>	The design was modified throughout the process and includes evidence of this with drawings of new designs as well as explanations for reasons for changes.	The design was modified as evidenced by the difference between the final product and the original design. A new design was created with little explanation.	The design was modified from the original, but the new design had no explanation of new features or reasons for change.	The design was modified but included no new design, explanation of new features, or reasons for the change.

	<p>Picture included documenting the build/test of the model.</p> <p>Feedback/data is listed from 2 different people. All names must be provided</p>	<p>Picture included documenting the build/test of the model.</p> <p>Feedback/data is listed from 1 person. Name must be provided</p>	<p>Picture included documenting the build/test of the model.</p> <p>Feedback/data is listed. All Name(s) are missing.</p>	<p>OR</p> <p>No picture included documenting the build/test of the model.</p> <p>No Feedback/data is provided</p>
<b>Plot Diagram: The Outsiders</b>	<p>The model is accurate and exceeds all required information. It is neat and well-designed. The choice of materials is well-suited for the model. Student model design exceeds all required expectations.</p> <p><b>Example:</b> Utilizes all parts of a plot diagram</p> <p>Expertly shows progression of events in the story</p> <p>Plot diagram is new and inventive</p>	<p>The model is accurate and has all the required information. It is neat and well designed. The choice of materials is well-suited for the model. Student model design meets all required expectations.</p> <p><b>Required:</b> Utilizes all elements of the plot diagram Shows progression of events in the story</p>	<p>Model is mostly accurate or lacks some of the required information. The choice of materials is appropriate for the model.</p> <p>Picture included of the model.</p>	<p>Model is not accurate and/or lacks most of the required information. The choice of materials is not suited for the model. It has many design flaws.</p> <p>OR</p> <p>Model picture missing</p>

<p><b>Conclusion</b></p>	<p>Conclusion was clearly stated. Data and observations from the project were used to support the conclusion. Explanations included accurate use of scientific vocabulary with reasoning why.</p> <p>The artistic statement is included with thorough details and includes Visual Arts Vocabulary.</p> <p><b>Categories:</b> Medium Aesthetics Elements of Art Principles of Art Perspective</p>	<p>Conclusion was clearly stated. Explanation was presented to support the conclusion, but no data was used. Limited scientific vocabulary was used.</p> <p>The artistic statement is included with minimal details or lack Visual Arts vocabulary in the description.</p> <p><b>Categories:</b> Medium Aesthetics Elements of Art Principles of Art Perspective</p>	<p>Conclusion was stated. No evidence was present from either data or observations to support it. Scientific vocabulary was used without enhancing description.</p>	<p>No clear conclusion was stated or evidence to support it. The scientific vocabulary that was used was not clear or used accurately.</p>
<p><b>Reflection</b></p>	<p>Reflection included thoughts on the process, successes/failures, and possible sources of error in their data. Thorough details provided.</p> <p>How did your group do as a whole? This includes output, cooperation, and successes/failures. Provide evidence.</p> <p>How did you do as a group member? This includes output, cooperation, and successes/failures. Provide evidence.</p>	<p>Reflection discussed thoughts on the process and successes/failures. Minimal details provided</p> <p>How did your group do as a whole? This includes output, cooperation, and successes/failures. Provide evidence.</p> <p>How did you do as a group member? This includes output, cooperation, and successes/failures. Provide evidence.</p>	<p>Reflection discussed some thoughts on the process but was lacking some of the required elements</p>	<p>Reflection discussed some basic thoughts on the process but was lacking many of the required elements</p>

	<p>How did your partner do as a group member? This includes output, cooperation, and successes/failures. Provide evidence.</p> <p>If you were to do this project again what would you do differently? Provide evidence.</p> <p>What was the most difficult part of this experience? Provide evidence/explanation.</p> <p>What did you learn about yourself through this project? Provide evidence.</p> <p>What were your strengths as you completed this project? Provide evidence.</p> <p>What areas can you improve upon to be more successful in the future? Provide evidence.</p>	<p>How did your partner do as a group member? This includes output, cooperation, and successes/failures. Provide evidence.</p> <p>If you were to do this project again what would you do differently? Provide evidence.</p> <p>What was the most difficult part of this experience? Provide evidence/explanation.</p> <p>What did you learn about yourself through this project? Provide evidence.</p> <p>What were your strengths as you completed this project? Provide evidence.</p> <p>What areas can you improve upon to be more successful in the future? Provide evidence.</p>		
--	---	---	--	--

Additional Notes: