

# Scoring Rubric - Invention

Project Title: \_\_\_\_\_ Grade: \_\_\_\_\_

Student Names: \_\_\_\_\_

	1	3	5	Score
<b>Question and Purpose</b>	Question/Problem is not clear Question/Problem cannot be answered by invention process Purpose for invention is not present or doesn't address the question at all	Question/Problem is somewhat clear  Question/Problem can be somewhat answered by invention process Purpose for invention somewhat addresses the question	Question/Problem is specific and very clear Question/Problem can be thoroughly answered by invention process Purpose for invention addresses the question very clearly	
<b>Research</b>	Research is not detailed, complete and clear Research is not relevant to original topic Includes no facts or pieces of information	Research is somewhat detailed, complete and clear  Research is somewhat relevant to original topic Includes at least 2 facts or pieces of information	Research is very detailed, complete and clear  Research is very relevant to original topic Includes at least 3 facts or pieces of information	
<b>Experimental Procedure and Data</b>	Materials list is <b>not</b> detailed and complete and clear Building process is <b>not clear</b> Data is <b>not clear</b> <b>Poor or No</b> use of photos/charts/graphs to display data. Invention was not tested and evaluated	Materials list is <b>somewhat</b> detailed and complete and clear Building process is <b>very clear</b> Data is <b>somewhat clear</b> <b>Good use</b> of photos/charts/graphs to display data Invention <b>was tested and evaluated one time</b>	Materials list is <b>very</b> detailed and complete and clear Building process is <b>very clear</b>  Data is <b>very clear</b> <b>Excellent use</b> of photos/charts/graphs to display data Invention <b>was tested and evaluated more than once</b>	
<b>Conclusion And Application</b>	Conclusions are <b>not supported</b> by the research Conclusion <b>does not answer</b> the original question  Conclusion <b>does not explain how</b> hypothesis was right or wrong Research and conclusion <b>are not applied</b> to real life applications	Conclusions are <b>not clearly supported</b> by the research. Conclusion <b>somewhat answers</b> the original question  Conclusion <b>somewhat explains how</b> hypothesis was right or wrong Research and conclusion <b>are somewhat applied</b> to real life applications	Conclusions are <b>clearly supported</b> by the research. Conclusion <b>thoroughly answer</b> the original question  Conclusion <b>explains how</b> hypothesis was right or wrong Research and conclusion <b>are applied</b> to real life applications	
<b>Display</b>	Display is <b>neither</b> neat, creative, <b>nor</b> organized <b>No</b> attention to detail	Display is <b>somewhat</b> neat, creative and organized <b>Minor</b> attention to detail	Display is <b>very</b> neat, creative and organized <b>Significant</b> attention to detail	
<b>Student Involvement</b>	Display shows a <b>low</b> amount <b>or no</b> involvement by the students in the procedure.	Display shows a <b>medium</b> amount of involvement by the students in the procedure.	Display shows a <b>high</b> amount of involvement by the students in the procedure.	
<b>Creativity</b>	Project shows a <b>low</b> amount of creativity.	Project shows a <b>medium</b> amount of creativity.	Project shows a <b>high</b> amount of creativity.	
<b>Interview</b>	Articulates <b>little</b> knowledge about all parts of their project. <b>Unable to</b> explain and answer questions about everything that is included in their display.	Articulates <b>moderate</b> knowledge about all parts of their project. <b>Partially</b> explains and answers questions about everything that is included in their display.	Articulates <b>significant</b> knowledge about all parts of their project. Completely and correctly explains and answers questions about everything that is included in their display.	

Project Score: