

**Invention Rubric**

Name:

<b>Category</b>	<b>Excellent</b>	<b>Good</b>	<b>Meets Requirements</b>	<b>Unsatisfactory</b>	<b>No Evidence</b>
<b>Problem-solving</b>	-Unique idea for an invention or method that solves an authentic problem -Reader clearly understands the student's invention as a solution to a problem -Provides an original idea that has not been previously patented <b>24 - 25 points</b>	-Shows insight to develop invention or method to address authentic problem - The reader understands the problem that the student tries to solve through the invention -offers new idea on a similar invention <b>21 – 23 points</b>	-Invention or method identifies and addresses an authentic problem -Reader understands student's invention -may be very similar to previously patented invention <b>18 - 20 points</b>	-Does not make a connection between invention and problem -Reader must ask questions to understand the student's invention -copies previously patented invention or method <b>1 -17 points</b>	Does not address a problem <b>0 points</b>
<b>Construction</b>	Designed well and constructed well. All pieces are attached and stable. Shows attention to details Uses household materials <b>24 -25 points</b>	-Well designed and constructed -May have age-appropriate flaws that do not distract from the invention's use -Uses household materials <b>21 – 23 points</b>	- Adequate design but has some obvious flaws that do not distract from the invention's purpose -Uses household materials <b>18 - 19 points</b>	-poorly designed and constructed <b>1 - 17 points</b>	Does not construct a model of the invention or method <b>0 points</b>
<b>Testing</b>	Student shows clear evidence (charts, graphs, photos) that the invention/ new method has been tested at least 3 times to ensure that it works <b>24 -25 points</b>	-Student shows evidence (chart, graph, or photos) that the invention/ new method was tested at least once to ensure that it works <b>21 -23 points</b>	-Student describes how or when the invention was tested and writes the results of the testing. <b>18 - 19 points</b>	-No evidence of testing was provided, but the student can tell details about the event when asked. <b>1 – 17 points</b>	Not complete and/or lacks significant detail <b>0 points</b>
<b>Display</b>	-Eye-catching, interesting display that includes model, owner's manual, and order form -Student uses correct spelling, capitalization, and punctuation. <b>24 - 25 points</b>	- Informative display that includes a model, owner's manual, and order form - The student has a few spelling, capitalization, and punctuation errors that do not distract the reader. <b>21 - 23 points</b>	-Adequate display with sign and model of invention/ method with owner's manual and order form -Project has several spelling, capitalization, and punctuation errors. <b>18 - 19 points</b>	- Display does not include one of the parts of a model, owner's manual, and/or order form - Numerous errors make the project difficult to read or understand. <b>1 - 17 points</b>	Does not include a display <b>0 points</b>
<b>Your Score:</b>					
<b>Total Points</b>	<b>93-100 points</b>	<b>85 - 92 points</b>	<b>78 - 84 points</b>	<b>70 – 77 points</b>	<b>0 – 69 points</b>