



Score _____ /15

Room _____

Teacher _____

Name _____ Grade _____ Project Title _____

STEAM Fair - 2nd & 3rd Grade Scoring Rubric

	3 Master Scientist	2 Super Scientist	1 Scientist in Training	0 Not Evident
<p style="text-align: center;">Scientific Thinking / Model Design</p> <p>Why did you create your model of an invention?</p>	<p>Student identified:</p> <ul style="list-style-type: none"> - a purposeful question or problem which could be investigated. -researched the topic using 3 or more sources. -created an invention that solves a problem. -created a model of the invention they created. 	<p>Student attempted to:</p> <ul style="list-style-type: none"> -a purposeful question or problem which could be investigated: - researched the topic using 2 sources -model did not solve a problem 	<p>Several steps of creating the invention model are lacking:</p> <ul style="list-style-type: none"> -the question or problem was not meaningful to the student -the model is not structurally sound -the claim was not tested in a purposeful way -only 1 source was used to research the topic. 	<p>Student did not complete a project using the steps of creating a model.</p>
<p style="text-align: center;">Research Plan (Scientific Process)</p> <p>What is the description and procedure for building your model of the invention?</p>	<p>All written parts are complete.</p> <ul style="list-style-type: none"> -Detailed procedure of building the model of an invention -Detailed description of how the model of an invention works 	<p>All parts of the research plan are complete.</p> <ul style="list-style-type: none"> -Lacks a detailed procedure of building the model of an invention. -Lacks a detailed description of how the model of an invention works. 	<p>Some parts of the research plan may be incomplete or missing.</p> <ul style="list-style-type: none"> - Missing procedure and/or description 	<p>Research plan not complete.</p>
<p style="text-align: center;">Scientist's Data & Results Log</p> <p>What were the obstacles faced during your creation?</p>	<p>Includes detailed notes about the building procedure, including;</p> <ul style="list-style-type: none"> -obstacles he/she faced; -correctly measured and displayed data -highest quality work is evident -A clear reasoning about the best way to construct the model was made 	<p>Includes somewhat detailed notes;</p> <ul style="list-style-type: none"> -about creating and the building process; -writing is neat and organized -not enough data for building was collect -A clear reasoning about the best way to construct the model was made 	<p>Notes are minimal;</p> <ul style="list-style-type: none"> -about creating and the building process; -does not display quality work -little or no data was collected -Frequent errors in writing -The reasoning was unclear 	<p>Notes are missing or severely incomplete.</p>
<p style="text-align: center;">Visual / Digital Display</p> <p>How will you share your findings?</p>	<p>Visual / digitally produced display is:</p> <ul style="list-style-type: none"> - student produced - neat - informative and strongly supports research plan; -includes 3 or more photos, graphs, diagrams. -writing is neat, detailed and free of errors; -highest quality work is evident 	<p>Visual/digitally produced display is:</p> <ul style="list-style-type: none"> -student produced - neat - informative and supports the research plan - includes at least 2 photos, graphs or diagrams -writing is neat but may have some errors 	<p>Visual/digitally produced display:</p> <ul style="list-style-type: none"> -lacks student production -lacks information and does not support research plan - shows minimal quality - has writing that is not legible and/or filled with many errors 	<p>No visual/digitally produced display was submitted.</p>
<p style="text-align: center;">Oral Presentation</p> <p>How will you verbally explain the project?</p>	<p>-Student is able to explain how the invention model was built, how it works and what was learned without any prompting.</p>	<p>-Student is able to explain how the the invention model was built, how it works, observations and what was learned; but may need some teacher prompting</p>	<p>-Student has difficulty explaining the parts of the invention model and what was learned even with teacher prompting</p>	<p>-Student is unable to explain their invention model.</p>