

KNOWLEDGE ACHIEVED				Individual Judge's Score
<p>Superior 10 – 9 points</p> <ul style="list-style-type: none"> Outstanding use and understanding of terms and principles Project far exceeds grade level understanding and depth of knowledge Extensive literature search and source/literature citations Supplements answers with additional relevant information 	<p>Excellent 8 – 6 points</p> <ul style="list-style-type: none"> Great use and understanding of terms and principles Project exceeds grade level understanding and depth of knowledge Additional literature search and source/literature citations Supplements answers with relevant information 	<p>Good 5 – 3 points</p> <ul style="list-style-type: none"> Good use and understanding of terms and principles Project meets grade level understanding and depth of knowledge Minimal literature search and source/literature citations Minor supplementation of answers with relevant information 	<p>No Evidence 2 – 1 points</p> <ul style="list-style-type: none"> Substandard use and understanding of terms and principles Project does not meet grade level understanding and knowledge Little to no literature search and sourcing literature citations No supplementation of answers 	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10
USES OF SCIENTIFIC METHOD				
<p>Superior 10 – 9 points</p> <ul style="list-style-type: none"> Question clearly focuses on the scientific problem Hypothesis clearly states an educated guess Procedure clearly define the steps involved in the experiment Data Analysis summarizes several trials/samples and presents data in tables, graphs, etc. Conclusion is detailed and represented by a summary of the data 	<p>Excellent 8 – 6 points</p> <ul style="list-style-type: none"> Question identifies the scientific problem Hypothesis states a guess with some backup info Procedure needs some explanation of steps involved in the experiment Data Analysis summarizes one or two trials/samples and presents some graphic forms Conclusion is somewhat detailed and represented by a summary of the data 	<p>Good 5 – 3 points</p> <ul style="list-style-type: none"> Question identifies the scientific problem Hypothesis states a guess without substantiation Procedure defines the steps involved with gaps Data Analysis summarizes one trials/sample and presents data in only a few types of graphic form Conclusion is provided with some reference to the data and hypothesis 	<p>No Evidence 2 – 1 points</p> <ul style="list-style-type: none"> Question identifies no scientific problem Hypothesis is missing Procedure defines the steps involved with many gaps Data Analysis summarizes data with no graphic representation Conclusion: No conclusion was apparent OR important details were overlooked. 	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10
CLARITY OF EXPRESSION				
<p>Superior 10 – 9 points</p> <ul style="list-style-type: none"> Lab Journal/ data record book clearly shows experimental procedures, materials used, and shows the data Visual Display: Includes title, abstract, Hypothesis, Material List, Procedure, Data Analysis and Conclusion Oral Presentation: Uses the scientific method to present experiment; questions answered correctly & clearly, & shows good eye contact 	<p>Excellent 8 – 6 points</p> <ul style="list-style-type: none"> Lab Journal/ data record book shows experimental procedures, materials used, and shows the data Visual Display: Is missing one of the important aspects from the superior rating Oral Presentation: Uses the scientific method to present experiment; questions answered correctly and clearly and eye contact minimal 	<p>Good 5 – 3 points</p> <ul style="list-style-type: none"> Lab Journal/ data record book has gaps in experimental procedures, materials used, and shows minimal data Visual Display: Is missing two or three of the important aspects from the superior rating Oral Presentation: Uses the scientific method to present experiment; questions answered with unclear mastery of the subject, little eye contact 	<p>No Evidence 2 – 1 points</p> <ul style="list-style-type: none"> Lab Journal/ data record book little evidence of experimental procedures, materials used, and data Visual Display: Is missing many of the important aspects from the superior rating Oral Presentation: Little evidence of scientific method, questions unanswered, eye contact minimal 	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10

MORE CRITERIA OVER

ORIGINALITY, CREATIVITY				Individual Judge's Score
Superior 10 – 9 points <ul style="list-style-type: none"> • New idea, concept, principle, hypothesis, or insight • Novel association or relationship of previous discoveries or knowledge • Rigorous and exhaustive analyses of extensive or robust data or results that reveal previously unknown relations • Inquiry or design based experiment rather than a summary of knowledge • Relates to the scientific community or business 	Excellent 8 – 6 points <ul style="list-style-type: none"> • Different idea, concept, principle, hypothesis, insight or approach • Conventional association or relationship of previous discoveries • Routine analyses of data or results previously known • Some inquiry or design based experimentation used but relies on summary of previous knowledge • Somewhat related to the scientific/business community 	Good 5 – 3points <ul style="list-style-type: none"> • Ordinary idea, concept, principle, hypothesis, insight or approach • Familiar association or relationship of previous discoveries • Routine analyses of data or results that previously known • Slight inquiry or design based experimentation used but relies on summary of previous knowledge • Little relationship to the scientific/business community 	No Evidence 2 – 1 points <ul style="list-style-type: none"> • Non-novel idea, concept, principle, hypothesis, insight or approach • No association or relationship of previous discoveries • No analyses of data or results that previously known • No inquiry or design based experimentation used but relies on summary of previous knowledge • No relationship to the scientific/business community 	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10
TEAMWORK				
Superior 10 – 9 points <ul style="list-style-type: none"> • Partnerships were exemplary, clearly demonstrating an <u>assortment</u> of project partners/ business or industry advisors • Complete team work explained and demonstrated by project evaluation and team members answers to judges questions 	Excellent 8 – 6 points <ul style="list-style-type: none"> • Partnerships were <u>evident</u>, clearly demonstrating project partners/business or industry advisors • <u>Adequate</u> teamwork explained and demonstrated by project evaluation and answers to judges questions 	Good 5 – 3 points <ul style="list-style-type: none"> • Partnerships were evident, demonstrating <u>limited</u> project partners/business or industry advisors • <u>Weak</u> teamwork explained and demonstrated by project evaluation and answers to judges questions 	No Evidence 2 – 1 points <ul style="list-style-type: none"> • Partnerships were <u>not evident</u>, with no instances of project partners or business/industry advisors • <u>No demonstration and explanation</u> of teamwork between team members 	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 7 <input type="checkbox"/> 8 <input type="checkbox"/> 9 <input type="checkbox"/> 10
PROJECT SCORE (5 -50 POINTS)				
SUMMARY SCORE (1 - 5 POINTS)				
TOTAL OVERALL SCORE				

Comments from judge (optional):