



# Austin Energy Regional Science Festival JUDGING CRITERIA ELEMENTARY DIVISION

RIBBON AWARDED (mark only one box)		
	18 – 21 points	1st
	12 - 17 points	2nd
	7 - 11 points	3rd

Project # \_\_\_\_\_

Judging Criteria				
Criteria	Basic	Average	Excellent	Score
<b>Question/Problem</b> <i>Indicates variables tested and measured effect or well defined engineering problem</i>	<i>Minimal information about experimental question or engineering problem</i>  <b>(1 point)</b>	<i>Experimental question or engineering problem stated</i>  <b>(2 points)</b>	<i>Detailed experimental question with variables or well defined engineering problem</i>  <b>(3 points)</b>	
<b>Hypothesis/Background Information</b> <i>Includes possible outcomes of stated test or problem and explains thinking based on research</i>	<i>Unrelated to question/problem and/or no explanation provided</i>  <b>(1 point)</b>	<i>Relates to question/problem with general explanation</i>  <b>(2 points)</b>	<i>Includes details of testing process and explanation supported with background information</i>  <b>(3 points)</b>	
<b>Project Plan</b> <i>Includes all details needed to replicate testing and/or design process</i>	<i>Lack of materials and steps of test/design procedures; cannot be replicated</i>  <b>(1 point)</b>	<i>All materials listed with general details of procedures</i>  <b>(2 points)</b>	<i>Detailed quantities of materials and procedures support replication of project</i>  <b>(3 points)</b>	
<b>Project Presentation</b> <i>Critical sections are labeled and in logical order</i>	<i>No testing process or sequenced list, no graphics used</i>  <b>(1 point)</b>	<i>Steps of process, sequenced lists, labels, data in written and graphic forms</i>  <b>(2 points)</b>	<i>Student created graphics indicate details and measured /observed outcomes</i>  <b>(3 points)</b>	
<b>Conclusion/Lessons Learned</b> <i>Answers the testable question or problem supported with relevant evidence</i>	<i>General results difficult to relate to question and/or problem</i>  <b>(1 point)</b>	<i>Results relate to question or problem without much evidence</i>  <b>(2 points)</b>	<i>Student restated question or problem with supporting evidence and applied it to real world</i>  <b>(3 points)</b>	
<b>Idea Generation and Independence of Work*</b> <i>Idea for project and work were student driven</i>	<i>The student was given the project idea and relied heavily on an adult to complete the project</i>  <b>(1 point)</b>	<i>Idea generation and majority of work were a combined effort by the student and an adult</i>  <b>(2 points)</b>	<i>Idea generation and majority of work were done by the student</i>  <b>(3 points)</b>	
<b>New Questions*</b> <i>Demonstrates understanding of results and has valid new questions to consider</i>	<i>New questions difficult to relate to current question and not well defined</i>  <b>(1 point)</b>	<i>New questions relate to current question but are not well defined</i>  <b>(2 points)</b>	<i>New questions relate to current question and are well thought out and defined</i>  <b>(3 points)</b>	
<b>Total</b>				

\*The last two criteria should be judged from the student's reflection questions on slide 2 of their presentation.