

## Kodiak's Rural Science Fair '02-'03

### Scientist/Teacher Judging Criteria for an Experiment

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

Team or Individual \_\_\_\_\_

Criterion	0	1	3	5
<b>Question/Problem</b>	<ul style="list-style-type: none"> <li>There is no question</li> </ul>	<ul style="list-style-type: none"> <li>The question is vague and/or too broad</li> </ul>	<ul style="list-style-type: none"> <li>The question is adequately stated</li> </ul>	<ul style="list-style-type: none"> <li>The question is clearly stated and unambiguous</li> </ul>
<b>Research/Gathering of Information</b>	<ul style="list-style-type: none"> <li>There is no evidence of research</li> </ul>	<ul style="list-style-type: none"> <li>The research is not related to the question</li> <li>It is not clear where or how the information was gathered, though references are mentioned</li> </ul>	<ul style="list-style-type: none"> <li>The research is related to the question</li> <li>References are cited</li> </ul>	<ul style="list-style-type: none"> <li>The research is specific to the question and will help the scientist to accurately hypothesize</li> <li>References are clearly cited and the reader knows exactly where the information came from</li> </ul>
<b>Hypothesis</b>	<ul style="list-style-type: none"> <li>There is no hypothesis</li> </ul>	<ul style="list-style-type: none"> <li>The hypothesis is poorly stated</li> </ul>	<ul style="list-style-type: none"> <li>The hypothesis is adequately stated</li> </ul>	<ul style="list-style-type: none"> <li>The hypothesis is clearly stated and answers the question</li> </ul>
<b>Experiment</b>	<ul style="list-style-type: none"> <li>The procedures and materials are not stated</li> </ul>	<ul style="list-style-type: none"> <li>The procedures are inadequately stated. It is not clear how the experiment was done</li> <li>The procedures do not include a control and/or test more than one variable</li> </ul>	<ul style="list-style-type: none"> <li>The procedures are stated</li> <li>The procedure appropriately tests the question</li> </ul>	<ul style="list-style-type: none"> <li>The procedures are clearly stated. The reader knows exactly what and how the experiment was done</li> <li>The procedures appropriately test the question, and include a control and test one variable at a time</li> </ul>

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

Team or Individual \_\_\_\_\_

Criterion	0	1	3	5
<b>Data</b>	<ul style="list-style-type: none"> <li>There is no data</li> </ul>	<ul style="list-style-type: none"> <li>The data is disorganized. It is difficult for the reader to understand the results</li> <li>Data was collected, but is not enough for conclusive results</li> </ul>	<ul style="list-style-type: none"> <li>The data is organized and tells the reader what happened</li> <li>Enough data was collected to make adequate conclusions</li> </ul>	<ul style="list-style-type: none"> <li>The data is overtly organized and displayed in a variety of ways</li> <li>There is enough data for conclusive results</li> </ul>
<b>Conclusions</b>	<ul style="list-style-type: none"> <li>There is no conclusion</li> </ul>	<ul style="list-style-type: none"> <li>No connection is made between the question, hypothesis, and data collected</li> <li>A vague reference has been made as to how this project could be improved or expanded</li> </ul>	<ul style="list-style-type: none"> <li>Conclusions are clearly stated</li> <li>An adequate description is made as to how this project could be improved or expanded</li> </ul>	<ul style="list-style-type: none"> <li>The student has made insightful connections between the question, hypothesis, and the data collected</li> <li>Details have been given as to how this project could be improved or expanded</li> </ul>
<b>Appearance</b>	<ul style="list-style-type: none"> <li>There is no reference made as to how the project could be improved</li> </ul>	<ul style="list-style-type: none"> <li>More work is needed to make the display neat</li> </ul>	<ul style="list-style-type: none"> <li>The information is displayed clearly and neatly</li> </ul>	<ul style="list-style-type: none"> <li>The project commands attention and is extremely neat and easy to read</li> </ul>
<b>Presentation</b>	<ul style="list-style-type: none"> <li>The student did not share his/her project orally</li> </ul>	<ul style="list-style-type: none"> <li>A few are used, but may not be useful or accurate</li> </ul>	<ul style="list-style-type: none"> <li>The student is able to communicate effectively his/her understanding of the investigation in an oral presentation</li> </ul>	<ul style="list-style-type: none"> <li>The student shows a depth of understanding of the investigation and was able to share that in his/her oral presentation and while answering specific questions from judges</li> </ul>

Judge's comments/suggestions: \_\_\_\_\_

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