

## Monterey County Science & Engineering Fair

**Project Number:**

**Division:**

**Title of Project:**

| Item                          | Outstanding   | Good  | Satisfactory  | Needs Improvement   |
|-------------------------------|---|---|---|---|
| <b>Research-Bibliography</b>  | <ul style="list-style-type: none"> <li>· You used information from four or more different sources.</li> <li>You showed where the material was used in your report.</li> </ul>   | <ul style="list-style-type: none"> <li>· You used information from two or three different sources.</li> <li>OR</li> <li>· You listed more, but it was not apparent where it was used in your report.</li> </ul> | <ul style="list-style-type: none"> <li>· You used information from one source.</li> <li>OR</li> <li>· Your project does not incorporate the material you listed.</li> </ul>   | <ul style="list-style-type: none"> <li>· No bibliography</li> <li>OR</li> <li>· No background research is evident.</li> </ul> |
| <b>Originality/Creativity</b> | <ul style="list-style-type: none"> <li>· You devised a unique experiment.</li> </ul>  | <ul style="list-style-type: none"> <li>· You used a known experiment, but modified the procedure, data gathering or application to test an extended or new hypothesis.</li> </ul>                               | <ul style="list-style-type: none"> <li>· You duplicated a known experiment from any source to confirm the hypothesis.</li> <li>OR</li> <li>· The hypothesis was totally predictable and the results were known beforehand.</li> </ul> | <ul style="list-style-type: none"> <li>· Computer downloads or photocopies of already published material.</li> </ul>          |
| <b>Data Collection</b>        | <ul style="list-style-type: none"> <li>· Your data are quantitative in nature, with sufficiently large samples to show statistical significance.</li> <li>Data were properly logged and organized in a logbook.</li> <li>Variables were identified and controlled.</li> </ul> | <ul style="list-style-type: none"> <li>· Your data are quantitative in nature, but your sample size was too small to adequately test your hypothesis.</li> </ul>  | <ul style="list-style-type: none"> <li>· Your data are qualitative (not measured).</li> </ul>   | <ul style="list-style-type: none"> <li>· No original data were collected. You used already published materials.</li> </ul>    |
| <b>Data Analysis</b>          | <ul style="list-style-type: none"> <li>· You presented your data in the form of properly-constructed graphs.</li> </ul>   | <ul style="list-style-type: none"> <li>· You attempted to present your data in the form of graphs, tables, etc.</li> </ul>  | <ul style="list-style-type: none"> <li>· You simply listed the results.</li> </ul>  | <ul style="list-style-type: none"> <li>· Data not analyzed.</li> </ul>  |

| Item                   | Outstanding   | Good   | Satisfactory   | Needs Improvement   |
|------------------------|---|--|--|---|
| <b>Display Quality</b> | <ul style="list-style-type: none"> <li>Your display is neat, title is clear and visible from a distance, diagrams and objects are properly anchored.</li> </ul> | <ul style="list-style-type: none"> <li>Your overall display arrangement is neat, but objects or diagrams are not neatly done or not present. Text contains minor spelling errors.</li> </ul> | <ul style="list-style-type: none"> <li>Your display is not neatly/well constructed.</li> <li>Text contains noticeable errors in spelling or syntax.</li> </ul> | <ul style="list-style-type: none"> <li>No display. Report and/or apparatus only.</li> </ul>             |
| <b>Conclusion</b>      | <ul style="list-style-type: none"> <li>Conclusion is not trivial. It directly relates to hypothesis, and is supported by the data.</li> </ul>                   | <ul style="list-style-type: none"> <li>Conclusion fits with the hypothesis but is not well-supported by the data, or the data is visibly inadequate to support the conclusion.</li> </ul>    | <ul style="list-style-type: none"> <li>An attempt has been made to present a conclusion.</li> </ul>  | <ul style="list-style-type: none"> <li>No conclusion.</li> </ul>  |
| <b>Verbal Defense</b>  | <ul style="list-style-type: none"> <li>You know your research and your project thoroughly. You can explain it to the judge's satisfaction.</li> </ul>           | <ul style="list-style-type: none"> <li>You are able to summarize your project to the judge's satisfaction.</li> </ul>  | <ul style="list-style-type: none"> <li>You are not able to fully explain the research or the content of your project.</li> </ul>                               | <ul style="list-style-type: none"> <li>You are unable to explain what your project is about.</li> </ul> |
| <b>Overall Rating</b>  | <ul style="list-style-type: none"> <li>.</li> <li>.</li> <li>.</li> <li>.</li> <li>.</li> </ul>   | <ul style="list-style-type: none"> <li>.</li> <li>.</li> <li>.</li> <li>.</li> <li>.</li> </ul>  | <ul style="list-style-type: none"> <li>.</li> <li>.</li> <li>.</li> <li>.</li> <li>.</li> </ul>  | <ul style="list-style-type: none"> <li>.</li> <li>.</li> <li>.</li> <li>.</li> <li>.</li> </ul>         |

**Comments:**

(Please use extra sheet if necessary)

**Judge's Signature:** \_\_\_\_\_

**Judge's e-mail:** \_\_\_\_\_