### Scoring Rubric for Inquiry Project Paper

**Total points 35**

<table>
<thead>
<tr>
<th>Level of Achievement</th>
<th>Abstract</th>
<th>Introduction</th>
<th>Materials and Methods</th>
<th>Results</th>
<th>Discussion</th>
<th>References</th>
<th>Overall</th>
</tr>
</thead>
<tbody>
<tr>
<td>Exemplary 100% (full pts)</td>
<td>Clearly presents research topic. Summarizes Methods, results, conclusions and discussion. Conforms to length no more than 200 words.</td>
<td>Clearly presents background information for model system, research topic and methods. Includes several (5 to 7) citations.</td>
<td>Describes and/or sites all methods in paragraph form that would allow reproduction of the research.</td>
<td>Results of experiments presented clearly and concisely with no conclusions.</td>
<td>Demonstrates clear conceptual understanding through synthesis of methods, results and research topic. Provides alternate conclusions.</td>
<td>All information requiring citations are sited. All citations in text are listed. References are properly and consistently formatted.</td>
<td>Effective title Sites appropriate literature (multiple refs per topic or method) Smooth flow throughout and no grammatical errors. Includes rationals for study and methods</td>
</tr>
<tr>
<td>Quality 90 %</td>
<td>Presents research topic. Summarizes Methods, results, conclusions and discussion less clearly than above. Or does not conform to length -200 words.</td>
<td>Minimally presents background information for model system, research topic and methods. Includes only a few (3 to 4) citations. 3.5 pts</td>
<td>Describes all methods, but vaguely or not in paragraph form. Lacking some refs. 3 pts</td>
<td>Results presented, but not clearly or concisely might include methods or discussion. 3 pts</td>
<td>Demonstrates minimal conceptual understanding of methods, results and research topic. Lacks alternate conclusions. 5 pts</td>
<td>All citations in text are listed. References are properly and consistently formatted. Some text information lack citations.</td>
<td>Effective title Sites appropriate literature (at least one ref per topic or method) Smooth flow and few grammatical errors. Includes rationals for study and methods 4.5 pts</td>
</tr>
<tr>
<td>Adequate 70%</td>
<td>Presents research topic, but lacks complete Summary of methods, results, conclusions and discussion.</td>
<td>Minimally presents background information for model system, research topic and methods. Includes only a few citations. 3 pts</td>
<td>Describes all methods, but vaguely or not in paragraph from. Lacking some refs. 3 pts</td>
<td>Results presented, but not clearly or concisely might include methods or discussion. 5 pts</td>
<td>Demonstrates minimal conceptual understanding of methods, results and research topic. Lacks alternate conclusions. 5 pts</td>
<td>All citations in text are listed. References are properly and consistently formatted. Some text information lack citations. 2 pts</td>
<td>Descriptive title Sites appropriate literature (one ref per topic or method) Moderate flow throughout and a few grammatical errors. Minimal rationals for study or approach 3.5 pts</td>
</tr>
<tr>
<td>Needs Improvement 20 to 40%</td>
<td>Fails to present research topic adequately or lacks summary of methods, results, conclusions and discussion.</td>
<td>Fails to present background information for either model system, research topic or methods. Includes only a couple (-2)citations. 1 -2 pts</td>
<td>Presents methods vaguely or not in paragraph from with insufficient refs. Lacking some methods 1 -2 pts</td>
<td>Methods or discussion presented as results. Results of actual experiments not clear. 2 -4 pts</td>
<td>Does not demonstrate conceptual understanding of methods, results and research topic. Presents poor conclusions 2 - 4 pts</td>
<td>Some text information lack citations. Some citations in text aren’t listed. Formatting is inconsistent.</td>
<td>Descriptive title Fails to site appropriate literature Lacks content, rational and flow. Several grammatical errors. 1 -2 pts</td>
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<td>No Effort 0 pts</td>
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<td>Section missing</td>
<td>Paper lacking title, Refs., and other sections.</td>
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