

## Science Fair Rubric

CRITERIA	4	3	2	1
<b>Knowledge of Scientific Method</b>	<ul style="list-style-type: none"> <li>• Student can explain all parts of science project and justify conclusion with clarity.</li> </ul>	<ul style="list-style-type: none"> <li>• Student can explain several parts of science project and justify conclusion.</li> </ul>	<ul style="list-style-type: none"> <li>• Student can explain some parts of science project with only vague understanding of conclusion.</li> </ul>	<ul style="list-style-type: none"> <li>• Student cannot explain science project and expresses no understanding of its conclusion.</li> </ul>
<b>Data</b>	<ul style="list-style-type: none"> <li>• Data was collected several times and provides complete, accurate, and relevant information based firmly on careful research.</li> <li>• The data is well presented and clearly explained.</li> </ul>	<ul style="list-style-type: none"> <li>• Data was collected a few times and provides partially complete, accurate, and relevant information based careful research</li> <li>• The data is well presented and explained.</li> </ul>	<ul style="list-style-type: none"> <li>• Data was collected more than one time but some may be incorrect or irrelevant.</li> <li>• Some data is presented but not clearly explained.</li> </ul>	<ul style="list-style-type: none"> <li>• Data was collected only once and information is inaccurate and irrelevant.</li> <li>• The data is poorly presented and poorly explained.</li> </ul>
<b>Scientific Thought</b>	<ul style="list-style-type: none"> <li>• Clearly followed the scientific method in order to perform the experiment.</li> <li>• The problem and hypothesis indicate scientific thinking.</li> <li>• All variables are identified and controlled.</li> </ul>	<ul style="list-style-type: none"> <li>• Attempted to follow the scientific method.</li> <li>• The problem and hypothesis indicate some scientific thinking.</li> <li>• Most variables are identified and controlled.</li> </ul>	<ul style="list-style-type: none"> <li>• Minimal use of scientific method.</li> <li>• The problem and hypothesis lack scientific thinking.</li> <li>• Some variables are identified and controlled.</li> </ul>	<ul style="list-style-type: none"> <li>• Did not follow the scientific method.</li> <li>• The problem and hypothesis have a predictable outcome.</li> <li>• Most variables are not identified.</li> </ul>
<b>Written Presentation /Lab Report</b>	<ul style="list-style-type: none"> <li>• Displays a high level of understanding of the scientific topic/concept within experiment.</li> <li>• Scientific projections from the experiment can be made.</li> </ul>	<ul style="list-style-type: none"> <li>• Displays a moderate level of subject knowledge from research and the process of completing the experiment.</li> <li>• Scientific projections from the experiment can be made.</li> </ul>	<ul style="list-style-type: none"> <li>• Displays a fair level of subject knowledge from research and the process of completing the experiment.</li> <li>• Scientific projections from the experiment can be made.</li> </ul>	<ul style="list-style-type: none"> <li>• Displays a low level of subject knowledge from research and the process of completing the experiment.</li> <li>• No scientific projections from the experiment can be made.</li> </ul>
<b>Oral Presentation</b>	<ul style="list-style-type: none"> <li>• Speaking voice is strong, clear, and easily understood.</li> <li>• Speaker conveys confidence in talking about experiment.</li> <li>• Excellent eye contact with audience.</li> </ul>	<ul style="list-style-type: none"> <li>• Speaking voice is easily understood.</li> <li>• Speaker is able to convey information about experiment.</li> <li>• Good eye contact with audience.</li> </ul>	<ul style="list-style-type: none"> <li>• Speech is halting and hard to understand.</li> <li>• Speaker appears unsure of material presented.</li> <li>• Limited or sporadic eye contact with audience.</li> </ul>	<ul style="list-style-type: none"> <li>• Student speaks unclearly and/or reads directly off board.</li> <li>• Speaker does not make eye contact with audience.</li> </ul>
<b>Exhibit/ Display</b>	<ul style="list-style-type: none"> <li>• Board is neat, attractive and creative.</li> <li>• Graphs and charts are properly labeled.</li> <li>• Spelling and grammar are correct.</li> </ul>	<ul style="list-style-type: none"> <li>• Board is neat and attractive.</li> <li>• Graphs and charts are mostly labeled.</li> <li>• Spelling and grammar are mostly correct.</li> </ul>	<ul style="list-style-type: none"> <li>• Board is neat.</li> <li>• Graphs and charts have been attempted.</li> <li>• Spelling and grammar are somewhat correct.</li> </ul>	<ul style="list-style-type: none"> <li>• Board is poorly done with no evidence of effort.</li> <li>• No scientific projections made.</li> <li>• Results written directly on board</li> <li>• Graphs and charts missing.</li> </ul>