

Stanislaus County Office of Education Science Fair

Entry Number _____

Grade Level _____

Title of Project _____

Scientific Method	low-----high
<p>1. Questions: (0-10 points) <i>earned:</i> _____</p> <p>Is this problem one that has to be tested in order to get an answer. <input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5</p> <p>Is the problem well stated? <input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5</p> <p>Comments: _____</p>	
<p>2. Hypothesis: (0-5 points) <i>earned:</i> _____</p> <p>Hypothesis predicting the outcome of experiment is clearly stated and is an answer to the question. <input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5</p> <p>Hypothesis also states a reason for hypothesis (<i>I think...because...</i>) or is written as an <i>if...then</i> statement. Comment: _____</p>	
<p>3. Procedure: (0-10 points) <i>earned:</i> _____</p> <p>Clearly written in detail and includes repetitions and controls (if appropriate). <input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5</p> <p>Follows a logical sequence and clearly relates to the hypothesis. <input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5</p> <p>Experiment is easily reproducible from procedures provided. Comments: _____</p>	
<p>4. Results (0-25 points) <i>earned:</i> _____</p> <p>Observations of experiment clearly recorded and labeled and displayed. (organized list, graphs, sequence of pictures or other form of data display.) <input type="checkbox"/> 0 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 6 <input type="checkbox"/> 8 <input type="checkbox"/> 10</p> <p>Sufficient number of trials to support Conclusion. <input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5</p> <p>Results of data are included in a written summary <input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5</p> <p>It is easy to understand from the data recorded what resulted in the experiment. <input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5</p> <p>Comments: _____</p>	

Scientific Method cont.	low-----high
<p>5. Discussion and Conclusion: (0-10 points) <i>earned:</i> _____</p> <p>Clearly states what was learned from results. Conclusion is consistent with data collected. <input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5</p> <p>Conclusion addresses whether or not results matched the hypothesis and answered the question. <input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5</p> <p>Comments: _____</p>	
<p>Student Notebook (0-20 pts) <i>earned:</i> _____</p> <p>Handwritten, readable experimental log in some type of binding. <input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5</p> <p>Problem, hypothesis, procedure, results, discussion and conclusion included in notebook. <input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5</p> <p>Includes information on how the project was formed, dated notes / observations as the experiment was conducted, and any research done during the experiment. Research must have a bibliography. <input type="checkbox"/> 0 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 6 <input type="checkbox"/> 8 <input type="checkbox"/> 10</p> <p>Comments: _____</p>	
<p>Display (0-20 points) <i>earned:</i> _____</p> <p>1. Overall visual appeal through use of color and creativity. <input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5</p> <p>2. Layout is logical, easy to follow, and neat. Materials clearly listed. <input type="checkbox"/> 0 <input type="checkbox"/> 2 <input type="checkbox"/> 4 <input type="checkbox"/> 6 <input type="checkbox"/> 8 <input type="checkbox"/> 10</p> <p>3. Board is well-edited including spelling. <input type="checkbox"/> 0 <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5</p> <p>Comments: _____</p>	
<p>Comments: _____</p> <p>_____</p> <p>_____</p> <p>_____</p> <p>_____</p>	<p>Total Points Possible : 100</p> <p>Total Points EARNED </p>