






COMPONENTS	EXPECTATIONS	NOTES
 <p><b>Knowledge, Idea &amp; Question</b></p>	<p>15 pts.</p> <ul style="list-style-type: none"> <li>• Think about what you already know. Explore a topic, taking notes from text or observations. If you use an expert resource be sure to give credit. Summarize what you know in at least 4 sentences.</li> <li>• Write a <b>question</b> that is measurable &amp; that you can use in an investigation.</li> </ul>	
 <p><b>Materials</b></p>	<p>15 pts</p> <ul style="list-style-type: none"> <li>• List materials that are specific to the task. This includes measuring tools, liquids (give measurements), objects, paper &amp; pencil etc. Make a <u>list</u>.</li> </ul>	
 <p><b>Safety !</b></p>	<p>10 pts order</p> <ul style="list-style-type: none"> <li>• Safety procedures are written in complete sentences. Safety procedures are <u>listed in</u> order of importance. Proactive statements are written instead of negative statements. Examples: <i>Keep liquids on tray.</i> <i>Children under 5 years old should not be present. Keep out of reach of pets..</i></li> </ul>	
 <p><b>Procedures</b></p>	<p>15 pts</p> <ul style="list-style-type: none"> <li>• List procedures clearly, <b>step by step</b>, and numbered. You should have only one variable (difference) unless you have teacher approval. Procedures could be replicated (<i>repeated</i>) by another scientist because your directions are so clear.</li> </ul>	
 <p><b>Observations &amp; Data Collection</b></p>	<p>15 pts.</p> <ul style="list-style-type: none"> <li>• Collect data and/or make observations. This may include:                             <ol style="list-style-type: none"> <li>a. Pictures or labeled diagrams</li> <li>b. Numerical data in a chart or table (degrees, quantity of liquid, etc).</li> <li>c. Descriptive observations using one’s senses. You may use comparisons (example: “as big as a dime” or “as small as a sesame seed”). Smelling and tasting are uncommon and need adult approval.</li> </ol> </li> </ul>	
<p><b>Claim, Evidence &amp; Reasoning</b></p> <p><b>“aha.... I proclaim!”</b></p>	<p>15 pts</p> <ul style="list-style-type: none"> <li>• <b>CLAIM:</b> Think about the <b>results</b> of your investigation. Give a specific inference (<i>suggestion</i>) to explain what happened even if you are not sure. Write it like a factual statement.</li> <li>• Two Examples: Salty water will cause a plant to die.</li> <li>• Sound is louder in a room with a wooden floor.</li> <li>• Provide <b>EVIDENCE &amp; REASONING</b> to support your inference. Summarize your observations &amp; data.</li> </ul>	
<p><b>Organization &amp; Clarity</b></p>	<p>15 pts</p> <ul style="list-style-type: none"> <li>• Include all parts of your investigation and provide clear and detailed information.</li> <li>• Titles, lists and numbered steps are expected. Have an adult read and help you revise for spelling, grammar &amp; punctuation.</li> </ul>	