**Grade 7**  
**Self-Evaluation**  
**Essay**

Name: ______________________________  
Class: __________  
Date: ____________

**Scientific Essay Checklist**

<table>
<thead>
<tr>
<th>ESSAY SECTION</th>
<th>DESCRIPTION</th>
<th>CHECK</th>
</tr>
</thead>
</table>
| **FORMAT**    | 1. Heading:  
First name Last name (Nickname)  
Ms. T. Cantillo  
Year Level and Class  
Date submitted  
2. On the header: last name and page #  
3. Each section is clearly labeled with headings in center  
4. Write body in paragraph form and neat  
5. Avoid Personal Pronouns: I, we, us, he, she  
6. Write in ‘present tense’  
7. Double spaced, font Calibri, size 12 | | |
| **TITLE**     | 1. Supports the main idea of the essay | |
| **INTRODUCTION** | 1. Explain the relationship between the keywords  
2. End the introduction with a summary of the topic to be discussed in the problem paragraph  
3. Do not focus on the problem or the specific solution yet  
4. Include in-text citations | |
| **PROBLEM**   | 1. Identify and describe the problem in society that is solved by the solution, however, do not mention the solution.  
2. Include how the problem affects society as a whole, the individual’s life, and the environment.  
3. Include scientific keywords related to the topic  
4. Use ‘cause and effect’ sentences  
5. Use quantitative data to support your arguments (if you use a table, the sources goes below the table, not in the works cited)  
6. Include in-text citations | |
| **SOLUTION**  | 1. Describe the science based solution and how it works supported by scientific evidence  
2. Who developed the solution? How?  
3. Describe how one or two ATLs that were used to develop the solution  
4. Give a balanced view of positive and negative effects of the solution  
5. Evaluate the limitations (restrictions) and effectiveness (success) of the solution for society as a whole, the individual’s life and the environment. | |
Table 2. Factors Reflecting the Impacts of Science on Society

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Political</td>
<td>Relates to government, public affairs and law</td>
</tr>
<tr>
<td>Economic</td>
<td>Production, distribution and use of income, wealth and commodities</td>
</tr>
<tr>
<td>Environmental</td>
<td>Circumstances, objects or conditions by which one is surrounded</td>
</tr>
<tr>
<td>Social</td>
<td>Interactions between groups of people involving issues such as welfare, safety, rights, justice or class; impact society and its members</td>
</tr>
<tr>
<td>Moral</td>
<td>Principles of right or wrong behavior derived from personal beliefs</td>
</tr>
<tr>
<td>Ethical</td>
<td>Are connected to what a group believes to be right and wrong, the rules which are followed by a community</td>
</tr>
<tr>
<td>Cultural</td>
<td>Patterns of knowledge, behavior, beliefs, shared attitudes, values, goals and practices that characterize groups of people</td>
</tr>
</tbody>
</table>