**7th Grade Challenge Science Project Checkpoint Rubrics**

Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Due Date: December 2, 2013**

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| **Checkpoint 1** | | | |
| Points | Criterion | Explanation | Rating |
| 0-1 | Title | Creative/Catchy Title |  |
| 0-3 | Problem | Clearly state the need for an engineered item that will perform or accomplish a specified function. Define engineered problem to be solved in complete sentences. |  |
| 0-3 | Description | Clearly explain your solution for the previous stated problem in complete sentences. |  |
| 0-2 | Hypothesis | Statement clearly predicts how the engineered device will operate to perform a specific function. Use *If, then, because* format. (ex: If I create \_\_\_\_\_\_\_, then (how will this solve the problem?), because \_\_\_\_.) |  |
| 0-1 | Signed Safety Contract | Signed and placed on the inside cover of the logbook. |  |

Total Points: \_\_\_\_\_\_/10

**Due Date: January 6, 2014**

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| **Checkpoint 2 – Background Information** | | | |
| Points | Criterion | Explanation | Rating |
| 0-2 | History | Highlights important people or discovery. Includes history of problem. |  |
| 0-2 | Significance | Explain importance of this project and problem (How big of a problem is this? Include specifics) |  |
| 0-3 | Facts &  Methods | Tells what is known about the topic and explains major terms and definitions. Include facts about this problem.  How this topic has been studied before (steps, equipment, measurements). Include any existing solutions. |  |
| 0-3 | Bibliography | Includes at least 3 sources. (reliable sources) |  |

Total Points: \_\_\_\_\_\_/10