**Grading Rubric: Materials and procedures**

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

|  |  |  |  |
| --- | --- | --- | --- |
| **0 – No evidence 1 = Evidence 2 clearly evident** | | |  |
|  | My own evaluation | Teacher evaluation | comments |
| 1. Hypothesis – Does it begin with If……and have then in the middle?  Does it show the relationship between the independent and dependent variable? | **0 1 2** | **0 1 2** |  |
| 2. Are there 2 or three sentences explaining how the hypothesis was developed referencing the research that was done? | **0 1 2** | **0 1 2** |  |
| 3. Are all the necessary materials listed (including the brands of the products used if testing them) with the exact quantities | **0 1 2** | **0 1 2** |  |
| 4. Are the steps numbered in the procedure? | **0 1 2** | **0 1 2** |  |
| 5. Is the procedure clear, in a logical order just like a recipe? | **0 1 2** | **0 1 2** |  |
| 6. Does each step begin with a verb… the imperative voice? (it should not begin with “next, then, first, second..ect”) | **0 1 2** | **0 1 2** |  |
| 7. Does the procedure detail the number of times to repeat the experiment (should be at least three trials and then the entire experiment redone). | **0 1 2** | **0 1 2** |  |
| 7. If the experiment tests human behavior, does the materials and/or the procedure include an adequate number of test subjects so the data is reliable? (50- 60 recommended) | **0 1 2** | **0 1 2** |  |
| 8. Is there enough detail that a stranger could duplicate the experiment by reading the procedure? | **0 1 2** | **0 1 2** |  |
| Total score (out of 16) \_\_\_\_\_  **If there is a zero on number 6 or 8, then the procedure needs to be rewritten and resubmitted**  16 Point A, 15 Points A-, 14 Points B+.... | | | |