Science Project Grading Rubric

Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Period: \_\_\_\_\_\_\_\_\_\_

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Category | F | D | C | B | A |
| Topic and problem statement: Topic should be summative and the problem statement a one sentence question including variables |  |  |  |  |  |
| Abstract: a one paragraph summary of the project. Should NOT have a list of materials or procedures. Should be captivating and entertaining |  |  |  |  |  |
| Hypothesis: written as an “If” “Then” statement |  |  |  |  |  |
| Variables: includes independent, dependent, and control |  |  |  |  |  |
| Materials: listed and includes exactly how much of each material is used |  |  |  |  |  |
| Procedures: listed in numerical, step by step order. Needs to include a step for “repeat” Procedures must demonstrate the use of: three trials, all materials, and all variables |  |  |  |  |  |
| Data: table that displays information about the project. In lieu of this student can have pictures or a data log book |  |  |  |  |  |
| Graphs: an appropriate graph for the project.  |  |  |  |  |  |
| Results: one paragraph summarizing the findings  |  |  |  |  |  |
| Conclusion (x2)Must cover all 7 questions1. Why did you choose to do this experiment?
2. Summarize how you used your materials
3. Was your hypothesis right or wrong? Why do you think? What would you have done differently?
4. Summarize your data or results
5. What did you learn while doing this experiment?
6. Why should other scientist repeat and continue your experiment?
7. What is your final conclusion or summary about your project?
 |  |  |  |  |  |
| Application: one paragraph, how your project can be applied in the real world |  |  |  |  |  |
| Bibliography: listing of all books, websites, etc used in research and process  |  |  |  |  |  |
| Presentation (x3)1. Project is typed
2. Student is able to easily answer questions pertaining to project
3. Project writing is consistent with prior student work product
4. Demonstrates effort in presentation and project execution
5. Demonstrates a passion for his topic and understands all parts of the scientific process
6. Project is age/grade appropriate
7. Student correctly completed his project as originally indicated by his topic presentation in August.
 |  |  |  |  |  |

Comments: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A = student has all the required components of the category. The category is correctly written and in the correct location on the board or in power point

B = student completed the category but it lacked consistency and cohesiveness

C= student had grammatical errors as well as ONE error in the format of the category

D= student had several grammatical errors and several errors in the format of the category

F= category was missing or contained so many errors that credit could not be given.