Science Fair Project Rubric

Name(s): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Project Title: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Background Information and Research: (30 points possible) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

20-30 pts (Student had 3 or more sources of research to back up hypothesis, well written summary of background information)

10-19 pts (Student had 1 or 2 sources of research to back up hypothesis, moderately written summary)

5-11 pts (Student had very little research to back up hypothesis, poorly written summary)

0-4 pts (Student did not have research to back up hypothesis, very poor summary or missing)

1. Abstract: (40 points possible) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

31-40 pts (Abstract is typed, neat, well organized, **and** clearly explains the important information about the project)

21-30 pts (Abstract partially explains project, but lacks organization **or** neatness)

11-20 pts (Abstract does not explain project clearly **and/or** lacks neatness **and** organization)

0-10 pts (Abstract is poorly written, sloppy, **and** unorganized)

1. Effective Test of Hypothesis: (30 points possible) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

24-30 pts (Student designed an experiment that effectively tested their hypothesis)

17-23 pts (Student designed an experiment that adequately tested their hypothesis but was missing some element)

1-16 pts (Student designed an experiment that indirectly tested their hypothesis though not fully or specifically)

0 pts (Student designed an experiment that did not effectively test their hypothesis)

1. Variable and Control: (30 points possible) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

24-30 pts (Student designed an experiment with a single variable **and** clear control)

17-23 pts (Student designed an experiment with either two variables **or** lacked a clear experimental control)

1-16 pts (Student designed an experiment with either multiple variables **and/or** lacked a clear experimental control)

0 pts (Student designed an experiment with either multiple or no variables lacked experimental control)

1. Thoroughness of Data Collection: (30 points possible) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

24-30 pts (Student collected data correctly, used the metric system correctly **and** appropriately)

17-23 pts (Student collected data correctly (accurately) **or** used the metric system incorrectly)

1-16 pts (Student did not collect data correctly or failed to use the metric system when needed)

0 pts (Student collected data incorrectly **and** without care, or did not have any data at all)

1. Graphs: (30 points possible) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

24-30 pts (Student has put together correct graph(s) **with labels**, neatly **and** they helped explain experimental results well)

17-23 pts (Student has not put together graph(s) correctly, neatly **or** they did not help explain experimental results well)

1-16 pts (Student has put together graph(s) incorrectly, sloppily **and/or** they did not explain project well)

0 pts (Student has not put together any graphs or data tables at all)

1. Conclusion: (20 points possible) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

20 pts (Student’s conclusion(s) match the data they collected)

10 pts (Student’s conclusion(s) partially match the data they collected)

0 pts (Student’s conclusion(s) does not match the data they collected)

1. Effectiveness of Exhibit/Display: (75 points possible) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

70-75 pts (Layout includes all required pieces, is well organized, **and** utilizes excellent use of space and materials)

60-69 pts (Layout is missing 1 or 2 required pieces, is not organized, **or** utilizes poor use of space and materials)

21-59 pts (Layout missing many required pieces, is not organized, **and/or** utilizes poor use of space and materials)

0-20 pts (Layout is sloppy, has only 1 or 2 of the required pieces, **and** uses materials and space poorly and ineffectively.)

1. Returned Rubric and Project Information Sheet (15 points if turned in on Jan 18th) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Total Points Earned: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ / 300 Possible