

Name: _____

Science Fair Project Grading Rubric Grade 4 100 points possible

Display points possible +15 _____

- Is the Display neatly organized and the design pleasing? If not, -1 to -5
- Are the Scientific Question, Hypothesis, Materials, Procedures, Results, and Conclusion labeled? If not -2 each in the proper location? If not, -1
- Is there a Title? If not, -5 in the proper location? If not, -1
- Is the student's name below the Title? If not, -1 each
- Is the teacher's name and grade level below the Title? If not, -1 ea
- Are there at least 3 appealing pictures that pertain to the experiment? If not, -1 ea

Scientific Question points possible +10 _____

- Is there a Scientific Question? If not, -10
- Is the Scientific Question labeled? If not, -2
- Is the Scientific Question in the proper location? If not, -1
- Does the Scientific Question end with a "?" If not, -1
- Does the Scientific Question relate to the experiment performed? If not, -1 to -7
- Does the Scientific Question make sense? If not, -1 to -7

Hypothesis points possible +10 _____

- Is there a Hypothesis? If not, -10
- Is the Hypothesis in the proper location? If not, -1
- Does the Hypothesis end with a "." If not -1
- Does the Hypothesis relate to the experiment performed? -1 to -7
- Does the Hypothesis answer the scientific question? If not, -5
- Is the hypothesis stated in "if..., then..." format? If not -5
- Does the Hypothesis make sense? If not, -1 to -7

Materials points possible +10 _____

- Is there a list of Materials? If not, -10
- Is the list of Materials in the proper location? If not, -1
- Is it difficult to read the list? If so, -5
- Is the list of Materials numbered---written in list form? If not, -5
- Are all items included that were necessary for the experiment? If not, -2 each

Procedures points possible +10 _____

- Is there a list of procedures which tests the hypothesis? If not, -10
- Is the list of Procedures in the proper location? If not, -1
- Are the procedures numbered---written in list form? If not, -5
- Does the list have fewer than 5 procedures? If not, -2 each <5
- Does each procedure make sense? If not, -1 per confusing procedure
- Can the list be followed to replicate the experiment? If not, -1 to 7
- Is "Gather all materials" the first procedure? If not, -1
- Is "Record results" the last procedure? If not, -1

Results points possible +10 _____

- Are results present on the board? If not, -10
- Are the Results in the proper location? If not, -1
- Are the Results displayed in table or graph form? If not, -9
- Are the Results displayed in only in table form? If so, -5
- Are the Results easy to read? If not, -3
- Is the table or graph constructed accurately? If not, -1 to -7
- If graph:
 - Is the "y" axis properly labeled? If not, -2 partial or -4 not at all
 - Is the "x" axis properly labeled? If not, -2 partial or -4 not at all
- If table:
 - Is the table properly labeled? If not, -2 partial or -4 not at all

(Since a graph is more difficult to construct and since it reinforces math standards in a very concrete way, attempting a graph is preferred. If both a table and graph are constructed, extra credit will be added for the table based on how accurately the table is constructed. Student generated graphs rather than computer generated graphs are preferred since there is less support given. If a student generated graph is attempted extra credit points will be awarded in the "Extra Credit" section.)

Trials points possible +5 _____

- Is there evidence of at least 5 experimental trials?
- If fewer than 5 trials were performed, -1 each for each missing trial

Conclusion

points possible +10 _____

- Is there a Conclusion? If not, -10
- Is the Conclusion in the proper location? If not, -1
- Does the Conclusion end with something other than a "." If so, -1
- Does the Conclusion respond to the question? If not, -2 to 9
- Does the Conclusion fit given the hypothesis? If not, -2 to 9
- Does the Conclusion match the results? If not, -2 to 9

Report

Table of Contents

points possible +4 _____

- Is there a Table of Contents? If not, -5
- Is the Table of Contents in the front of the report? If not, -1
- Does the Table of Contents include all parts of the report? If not, -1 ea missing item
- Is the Table of Contents numbered properly? If not, -1 ea improperly numbered item

Background Information

points possible +4 _____

- Is there Background Information? If not, -5
- Is the Background Information the first section of the report? If not, -1
- Is the Background Information clearly labeled? (Use headings.) If not, -1
- Does the Background Information speak to the experimental topic in paragraph form? If not, -1 to 3

Summary of the Experiment

points possible +4 _____

- Is there a Summary of the Experiment? If not, -5
- Is Summary of the Experiment the second part in the report? If not, -1
- Is the Summary of Experiment clearly labeled? (Use headings.) If not, -1
- Does the Summary accurately explain the experiment in paragraph form? If not, -1 to 3
- (This summary should be about the experiment only. It should not include buying your board, going to the store for materials, and the like.)

Bibliography

points possible +3 _____

- Is there a Bibliography? If not, -5
- Does the Bibliography follow the summary of experiment in the report? If not, -1
- Is the Bibliography clearly labeled? (Use headings.) If not, -1
- Is the Bibliography accurate? If not, -1 to 3

Log or Journal

points possible +5 _____

- Is there a Log or Journal included (scientific notes recorded or results kept during the experiment)? If not, -5
- Does the Log or Journal follow the bibliography? If not, -1
- Is the Log or Journal clearly labeled? If not, -1
- Does the Log or Journal include all results reported regarding the experiment? If not, -1 to 3

Further Questions (extra credit)

points possible +1 to +5 _____

Other Extra Credit

Did the student attempt to display the Results in graph form? If so, +5 extra credit points _____

Explanation of extra points awarded (if any extra points are awarded):

Total points _____

Please note : 1-5 points will be deducted for spelling/grammar errors in each section depending upon the number and if the error is in a title/heading or simply in the body of written work for that section. These deducted points will have a "sp" or "gr" and -___ to denote that spelling errors caused the deduction.