

Standards Based Science Fair Grades 4-6

Inquiry Standards Rubric 2007

Student Name _____ Teacher _____ Grade _____

Instructions to Scorer: For each item circle 0, 1, or 2. Do not leave any items unanswered.

- 0 = No
- 1 = Some Evidence
- 2 = Yes

- | | | | |
|--|---|---|---|
| 1. Is the investigation guided by a question? | 0 | 1 | 2 |
| 2. Is a hypothesis proposed that gives a possible answer to the guiding question? | 0 | 1 | 2 |
| 3. Are the procedures described in sufficient detail to allow easy replication by another person? | 0 | 1 | 2 |
| 4. Is there evidence that a careful experiment was conducted? (Note: Experiments have comparisons, such as how plants grow under different conditions or experiments comparing different commercial products.) | 0 | 1 | 2 |
| 5. Was appropriate equipment used, such as rulers, scales, thermometers, stopwatches, or magnifying glasses used to help collect data? | 0 | 1 | 2 |
| 6. Are quantitative data relevant to the guiding question presented? | 0 | 1 | 2 |
| 7. Is the data displayed in an easy to read graph? | 0 | 1 | 2 |
| 8. Are the data analyzed to seek an answer to the guiding question or to evaluate the hypothesis? (For this item it is okay for the student to conclude there are inconclusive results.) | 0 | 1 | 2 |
| 9. Is the project presented in a manner that makes the purpose, procedure, and results clear? | 0 | 1 | 2 |

TOTAL POINTS

Circle the score below:

0-9 Falls far below inquiry standards

10-13 Approaches inquiry standards

14-17 Meets inquiry standards (Honorable Mention)

18 Exceeds Inquiry Standards (Award for Exemplary Inquiry)

Additional Teacher Comments: