

Science Fair Rubric

Name_____

A.Creativity (8 points total) (2 pts each)

- 1.____ The problem is original or is a unique approach to an old problem (considering the student's level)
- 2.____ Interpretation of data is appropriate for student's grade level
- 3.____ The student utilized the scientific method in experimentation rather than only descriptions and observations
- 4.____ Creativity is evident

Creativity Total_____

B.Scientific Thought (35 points total) (5 pts each)

- 1.____ The project was well thought out and student showed initiative in thought and design
- 2.____ Scientific literature has been searched (Background Research Paper or Annotated Bibliography)
- 3.____ The hypothesis is clearly stated (If...then)
- 4.____ Scientific procedures are appropriate and organized (Step by Step)
- 5.____ Sampling techniques and data collection are appropriate for the problem
- 6.____ Project exhibits orderly recording and analysis of data (Graphs/Tables)
- 7.____ Conclusions formulated are logical, based on the data collected, and are relevant to the hypothesis

Scientific Thought Total_____

C. Thoroughness (8 points total)

- 1.____ The student collected all data available (2 pts)
- 2.____ The independent, dependent, and constant or control variables for the experiment were identified (3 pts)
- 3.____ Experiments have been repeated more than once and careful records have been kept (3 pts)

Thoroughness Total_____

D.Skill (10 points total) (2 pts each)

- 1.____ Experiments were designed with care and anticipation
- 2.____ Data measurements were done precisely (Metric)
- 3.____ A detailed logbook was kept
- 4.____ Project is skillfully designed so that it yields valid, reliable, and accurate data
- 5.____ This study was the student's alone and excessive help was not utilized

Skill Total_____

E.Clarity (9 points total)

- 1.____ The project notebook is well organized, neat, and accurate (3 pts)
- 2.____ The purpose is clearly outlined and the title accurately reflects the problem (2 pts)
- 3.____ The student clearly understands where the research can lead in the future (Next Time) (2 pts)
- 4.____ It is clear whether the data support or fail to support the hypothesis (2 pts)

Clarity Total_____

F.Display/Backboard (10 points total) (2 pts each)

- 1.____ Display is organized so component parts of presentation are logical
- 2.____ Display is neat and uncluttered
- 3.____ The display stands alone; the student's presence is not needed to understand the study
- 4.____ Display is complete and all necessary information sheets are present
- 5.____ Abstract is in correct location (Bottom Left)

Display/Backboard Total_____

Comments:

Total Points for Project_____/80