BROOKHAVEN
NATIONAL LABORATORY

JUDGES' RUBRIC
BNL Elementary School Science Fair

Criteria	4	3	2	1
Originality of Question	Original idea going beyond a traditional or existing idea.	Different perspective on a traditional idea.	Expanding an existing idea.	No originality.
Hypothesis	Thoroughly developed with reasoning. Ex."I think...because...."	Sufficiently developed.	Partially developed.	Major flaws.
Procedures/ Organization	Easy to follow sequence of the Scientific Method. Dated sequence of entire process captured by the student in a log or journal. This includes all observations, data collection, and changes to project.	Easy to follow sequence of the Scientific Method. Dated sequence of entire process captured by the student in a log or journal with moderate detail.	Somewhat difficult to follow because of lapses of the sequence of the Scientific Method. Minimal documentation included in a log or journal.	Difficult to follow; no sequence of the Scientific Method. No data collection shown.
Investigation Trials	Experiment was performed more than 2 times and/or sample size was exceptional.	Experiment was performed 2 times and/or sample size was adequate.	Experiment was performed 1 time and/or sample size was minimal.	Experiment was performed incompletely.
Analysis	Data is clearly presented and directly relates to hypothesis/ question.	Data is reasonably presented and shows good relationship to hypothesis/question.	Data is minimally presented and shows some relationship to hypothesis/question.	Data is not presented and no relationship to hypothesis/question is evident.
Evaluation/ Conclusion	A logical conclusion has been drawn from the data collected, and answers the hypothesis/question and/or raises a new hypothesis/ question. Has real world application.	A logical conclusion has been drawn from the data collected.	A fairly reasonable conclusion has been drawn from the data collected.	The conclusion drawn is not shown to relate to the data collected.
Presentation *(Overall Impression)*				

*Scientific Method: question, hypothesis, investigation/testing, analysis, and evaluation/conclusion.