

Judging Tally Sheet Junior and Senior – Experiment



ENTRY NO: _____ GRADE : _____

PROJECT TITLE: _____

STUDENT NAME(S): _____

A. Scientific value

Problem or Hypothesis

Score (0-10) _____

Clearly stated? Provided direction for the project?

Can the student explain why they found it interesting?

Background and Sources

Score (0-10) _____

Evidence of background reading or other background research?

Were outside sources properly credited?

Experimental Design

Score (0-10) _____

Was the experiment appropriate at testing the hypothesis?

Understanding of controls? Understanding of variables that can be manipulated?

Understanding of the effect of variables that cannot be manipulated?

Adequate replication?

Recording and Presentation of Data

Score (0-10) _____

Did student record data adequately during experiment?

Did student understand the technology used in collecting data?

Data presented clearly (figures, graphs, tables)? Was data presented in the appropriate format?

Inferences from Data

Score (0-10) _____

Did student understand sources of error? Where errors accounted for?

Did the student understand the limitations of the experiment?

Were extrapolations of data appropriate?

Was appropriate statistical analysis performed? Does student understand statistical significance?

Could student relate data to hypothesis?

Conclusions

Score (0-10) _____

Justified by data?

Clearly presented?

Was help with the project adequately acknowledged (e.g. parents, teachers)?

Section A total _____
(Maximum 60 points)

B. Creativity

Resourcefulness and Imagination

Imaginative or creative choice of topic?

Was the experiment original and novel?

Resourceful or imaginative use of technology to gather data?

Imaginative interpretation of data?

Score (0-10) _____

Future Work

Suggestions for improvement?

Suggestions for future research?

Has student discerned any applications?

Score (0-10) _____

Section B total _____
(Maximum 20 points)

C. Communication

Written Report

Clear? Concise? Logical?

Followed guidelines?

Score (0-10) _____

Oral Presentation and Project Display

Clear? Concise? Logical?

Enthusiastic?

Answered questions well?

Score (0-10) _____

Section C total _____
(Maximum 20 points)

Total for all sections _____
(Maximum 100 points)

Notes on special merits of project: