

# Judging Tally Sheet Junior and Senior – Study



PROJECT ID NUMBER: \_\_\_\_\_

PROJECT TITLE: \_\_\_\_\_

## A. Scientific value

### **Problem or Hypothesis**

Score (0-10) \_\_\_\_\_

Clearly stated? Provided direction for the project?  
Can student explain why they found the subject interesting?

### **Background and Sources**

Score (0-10) \_\_\_\_\_

Evidence of background reading or other background research?  
Multiple, independent sources used and verified? Sources used were credible?  
Were outside sources properly credited?

### **Study Design**

Score (0-10) \_\_\_\_\_

Appropriate for objective?  
Definition/understanding of dependent/independent variables? Understanding of confounding variables?  
Adequate replication?

### **Recording and Presentation of Data**

Score (0-10) \_\_\_\_\_

Did student record data adequately during study?  
Did student understand the technology used in collecting data?  
Did the student identify key points and concepts?  
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? Were 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?  
Acknowledgments of unknowns and areas that require research?  
Did the student show critical thinking and analytical skills?

### **Conclusions**

Score (0-10) \_\_\_\_\_

Justified by data?  
Clearly presented?  
Could the student relate results to their Problem or Hypothesis?  
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?  
Resourceful or imaginative gathering of information?  
Imaginative interpretation of information?

Score (0-10) \_\_\_\_\_

### **Future Work**

Suggestions for future lines of inquiry?  
Suggestions of future research to expand the study?  
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?  
Did the student answer questions well?

Score (0-10) \_\_\_\_\_

**Section C total \_\_\_\_\_**  
**(Maximum 20 points)**

**Total for all sections \_\_\_\_\_**  
**(Maximum 100 points)**

**Notes on special merits of project:**

