

## Judging Tally Sheet Elementary and Intermediate – Experiment



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

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

### **A. Scientific value**

#### **Problem or Hypothesis**

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

Clearly stated?

Can student explain why they found it interesting?

#### **Background and Sources**

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

Evidence of background reading or other background research?

Were outside sources adequately credited?

#### **Experimental Design**

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

Appropriate for hypothesis?

Does student show an understanding of the scientific method and its principles?

Understanding of controls and variables?

Adequate replication?

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

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

Did student record data adequately during experiment?

Did the student identify key points and concepts?

Data presented clearly (figures, graphs, tables)?

#### **Inferences from Data**

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

Did student understand sources of error?

Were extrapolations of data appropriate?

Was appropriate statistical analysis performed?

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 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:**