

# Judging Tally Sheet

## Intermediate – Experiment



**ENTRY NO:** \_\_\_\_\_

**GRADE :** \_\_\_\_\_

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

**STUDENT NAME(S):** \_\_\_\_\_

### A. Scientific value

#### **1. Problem or hypothesis**

score 0-10 \_\_\_\_\_

clearly stated? provided direction for the project?  
can student explain why he or she found it interesting?

#### **2. Background and sources**

score 0-10 \_\_\_\_\_

evidence of background reading or other background research?  
were outside sources properly credited?

#### **3. Experimental design**

score 0-10 \_\_\_\_\_

appropriate for hypothesis?  
understanding of controls? understanding of variables that can be manipulated?  
understanding the effect of variables that cannot be manipulated?  
adequate replication?

#### **4. 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 (charts, graphs, tables)?

#### **5. Inferences from data**

score 0-10 \_\_\_\_\_

did student understand sources of error?  
could student relate data to hypothesis?  
did student understand significant and non-significant differences?

#### **6. Conclusions**

score 0-10 \_\_\_\_\_

justified by data?  
clearly presented?  
was help with the project properly acknowledged (eg. parents, teachers)?

**Section A total** \_\_\_\_\_  
**(maximum 60 points)**

## **B. Creativity**

### **1. Resourcefulness, imagination**

imaginative or creative choice of topic?  
resourceful or imaginative use of technology to gather data?  
imaginative interpretation of data?

score 0-10 \_\_\_\_\_

### **2. 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**

### **1. Written report**

clear? concise? logical?  
followed guidelines?

score 0-10 \_\_\_\_\_

### **2. 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**