



CALGARY YOUTH SCIENCE FAIR

Entry No: _____ Location: _____
 Project Title: _____
 Student Name(s): _____
 School: _____

Elementary Project – Judging Tally Sheet

Please use the following scale:

- 5 Excellent
- 4 Good
- 3 Satisfactory
- 2 Weak
- 1 Poor
- 0 Not Present

1. SCIENTIFIC CONTENT (maximum 60 marks)

Complete EITHER 1A - Experimental Project OR 1B – Non-experimental Project.

Circle the score for each statement and note the subtotal on page 2

1A. EXPERIMENTAL PROJECT (complete either 1A or 1B)

- | | | | | | | |
|---|---|---|---|---|---|---|
| 1. The problem/hypothesis was clearly stated | 0 | 1 | 2 | 3 | 4 | 5 |
| 2. Adequate background reading is evident in the presentation (written) | 0 | 1 | 2 | 3 | 4 | 5 |
| 3. Experimental design reflects understanding of the scientific method and underlying scientific principles | 0 | 1 | 2 | 3 | 4 | 5 |
| 4. The student used and understood variables and control of variables | 0 | 1 | 2 | 3 | 4 | 5 |
| 5. A large enough sample size was used to establish validity of results | 0 | 1 | 2 | 3 | 4 | 5 |
| 6. The trials were repeated at least 3 times to establish reliable results | 0 | 1 | 2 | 3 | 4 | 5 |
| 7. Observations were clearly summarized in tables/graphs and is consistent with data collected | 0 | 1 | 2 | 3 | 4 | 5 |
| 8. The student has a logical explanation of the results and understands them | 0 | 1 | 2 | 3 | 4 | 5 |
| 9. Conclusions and summary remarks were based on experimental data and related to the problem/hypothesis | 0 | 1 | 2 | 3 | 4 | 5 |
| 10. The student recognized possible sources of error | 0 | 1 | 2 | 3 | 4 | 5 |
| 11. Logbook (summarizes progress, procedures, results, ideas, interpretations and conclusions) | 0 | 1 | 2 | 3 | 4 | 5 |
| 12. The degree of difficulty was exceptional in this project | 0 | 1 | 2 | 3 | 4 | 5 |

1 B. NON-EXPERIMENTAL PROJECT (Complete either 1A or 1B)

- | | | | | | | |
|--|---|---|---|---|---|---|
| 1. The subject was clearly stated | 0 | 1 | 2 | 3 | 4 | 5 |
| 2. The student shows evidence of extensive research and reading on the subject | 0 | 1 | 2 | 3 | 4 | 5 |
| 3. The student shows evidence of writing to and/or discussing with people knowledgeable on the subject | 0 | 1 | 2 | 3 | 4 | 5 |
| 4. The student has identified key points and concepts of the research topic | 0 | 1 | 2 | 3 | 4 | 5 |
| 5. The student shows an understanding of problems or issues related to the subject | 0 | 1 | 2 | 3 | 4 | 5 |
| 6. The scientific information presented is accurate | 0 | 1 | 2 | 3 | 4 | 5 |
| 7. The student has effectively gathered, combined and organized the information | 0 | 1 | 2 | 3 | 4 | 5 |
| 8. A logical conclusion/summary based on the research has been reached | 0 | 1 | 2 | 3 | 4 | 5 |
| 9. The student has formulated new ideas as a result of the research project | 0 | 1 | 2 | 3 | 4 | 5 |
| 10. Critical analysis/interpretation of research material is presented | 0 | 1 | 2 | 3 | 4 | 5 |
| 11. Research notes, contact names and discussions are presented in a logbook | 0 | 1 | 2 | 3 | 4 | 5 |
| 12. The degree of difficulty of this project was exceptional | 0 | 1 | 2 | 3 | 4 | 5 |

SUBTOTAL / 60 _____

3. CREATIVITY AND INSIGHTS (maximum 25 marks)

Complete this section for ALL projects.

Circle the score for each statement and note the subtotal at the bottom of the page

1. The selected subject was imaginative and creative 0 1 2 3 4 5
2. The student has shown resourceful use of equipment/information gathered 0 1 2 3 4 5
3. The student has shown creativity in the interpretation of the data/information gathered 0 1 2 3 4 5
4. The student has thought about how the project could be improved or done differently 0 1 2 3 4 5
5. The student has thought about relevant or potential applications of the project 0 1 2 3 4 5

SUBTOTAL / 25 _____

2. COMMUNICATION (maximum 15 marks)

Complete this section for ALL projects.

Circle the score for each statement and note the subtotal at the bottom of the page

1. The oral presentation was clear, concise and logical 0 1 2 3 4 5
2. The student answered questions competently and accurately 0 1 2 3 4 5
3. The display board effectively presented the project 0 1 2 3 4 5

SUBTOTAL / 15 _____

NOTES

SUMMARY OF MARKS

1. SCIENTIFIC CONTENT (60) _____
2. CREATIVITY AND INSIGHT (25) _____
3. COMMUNICATION (15) _____

TOTAL (100) _____