

NEBRASKA JUNIOR ACADEMY OF SCIENCES JUDGE'S SCORE SHEET

Student's Name _____ Region _____ Exhibit # _____

Grade _____ School _____ Category _____

Project Title _____

Total Score _____ Place _____ Judge's Signature _____

Two Choices Of Judging Format Are Provided Below

SCIENTIFIC METHOD OR ENGINEERING GOALS:

RATING SYSTEM
(1 = lowest and 5 = highest)

Scientific Method:

- | | | |
|-----------|---|-----------|
| [- o +] | 1. Initial Observations and Identifying the Problem
(Observations and Problem are clearly stated) | 1 2 3 4 5 |
| [- o +] | 2. Hypothesis Formation
(Initial Hypothesis clearly defined) | 1 2 3 4 5 |
| [- o +] | 3. Experimental Design and Procedure
(Procedure followed applies to the problem and uses controls) | 1 2 3 4 5 |
| [- o +] | 4. Collection of Data
(Evidence of proper data collection is demonstrated) | 1 2 3 4 5 |
| [- o +] | 5. Analysis of Data
(Graphs, percentages, statistics, or other appropriate illustrations used) | 1 2 3 4 5 |
| [- o +] | 6. Conclusions
(Conclusions are logical, related to original purpose, and supported by data) | 1 2 3 4 5 |

Engineering Goals:

- | | | |
|-----------|--|-----------|
| [- o +] | 1. Clear Objective
(Project has a clear objective) | 1 2 3 4 5 |
| [- o +] | 2. Relevant Objective
(Objective relevant to the potential user's need) | 1 2 3 4 5 |
| [- o +] | 3. Workable and Feasible Solution
(Workable, acceptable, and economically feasible solution) | 1 2 3 4 5 |
| [- o +] | 4. End Product Solution
(Solution utilized successfully in design or construction of end product) | 1 2 3 4 5 |
| [- o +] | 5. Improved Solution
(Solution is significant improvement over previous alternatives) | 1 2 3 4 5 |
| [- o +] | 6. Tested Solution
(Solution has been tested for performance under the conditions of use) | 1 2 3 4 5 |

COMMUNICATION SKILLS

- | | | |
|-----------|---|-----------|
| [- o +] | 7. Oral Presentation
(Presentation is well organized, clear, and concise) | 1 2 3 4 5 |
| [- o +] | 8. Ability to Answer Question
(Responses are clear and accurate) | 1 2 3 4 5 |
| [- o +] | 9. Visuals
(Visuals aides are clear, neat, organized and complete) | 1 2 3 4 5 |
| [- o +] | 10. Written Work
(All written material is organized and complete) | 1 2 3 4 5 |
| [- o +] | 11. Background Research (Bibliography)
(Use of library and resources are documented) | 1 2 3 4 5 |

PERSONAL GROWTH

- | | | |
|-----------|--|-----------|
| [- o +] | 12. Scientific Value of Project
(Information presented is relevant and significant) | 1 2 3 4 5 |
| [- o +] | 13. Creativity and Originality
(Project shows a creative approach to the problem) | 1 2 3 4 5 |
| [- o +] | 14. Knowledge Gained
(Understanding of concepts is appropriate to grade level) | 1 2 3 4 5 |
| [- o +] | 15. Effort and Attitude
(Adequate time, effort and attitudes are demonstrated) | 1 2 3 4 5 |

Student's Name _____ School _____

Strengths:

Areas that need improvement: