

**NEBRASKA JUNIOR ACADEMY OF SCIENCES JUDGE'S SCORE SHEET**

Student's Name \_\_\_\_\_ Division \_\_\_\_\_ Exhibit # \_\_\_\_\_

Project Title \_\_\_\_\_

Total Score \_\_\_\_\_ Place \_\_\_\_\_ Judge's Signature \_\_\_\_\_

**SCIENTIFIC METHOD OR ENGINEERING GOALS:**

**RATING SYSTEM  
(2 = lowest and 10 = highest)**

Scientific Method:

- |   |   |   |   |   |    |
|---|---|---|---|---|----|
| 1. Initial Observations and Identifying the Problem<br>(Observations and Problem are clearly stated)  | 2 | 4 | 6 | 8 | 10 |
| 2. Hypothesis Formation<br>(Initial Hypothesis clearly defined)                                       | 2 | 4 | 6 | 8 | 10 |
| 3. Experimental Design and Procedure<br>(Procedure followed applies to the problem and uses controls) | 2 | 4 | 6 | 8 | 10 |
| 4. Collection of Data<br>(Evidence of proper data collection is demonstrated)                         | 2 | 4 | 6 | 8 | 10 |
| 5. Analysis of Data<br>(Graphs, percentages, statistics, or other appropriate illustrations used)     | 2 | 4 | 6 | 8 | 10 |
| 6. Conclusions<br>(Conclusions are logical, related to original purpose, and supported by data)       | 2 | 4 | 6 | 8 | 10 |

**OR**

Engineering Goals:

- |  |   |   |   |   |    |
|--|---|---|---|---|----|
| 1. Clear Objective<br>(Project has a clear objective)  | 2 | 4 | 6 | 8 | 10 |
| 2. Relevant Objective<br>(Objective relevant to the potential user's need)                           | 2 | 4 | 6 | 8 | 10 |
| 3. Workable and Feasible Solution<br>(Workable, acceptable, and economically feasible solution)      | 2 | 4 | 6 | 8 | 10 |
| 4. End Product Solution<br>(Solution utilized successfully in design or construction of end product) | 2 | 4 | 6 | 8 | 10 |
| 5. Improved Solution<br>(Solution is significant improvement over previous alternatives)             | 2 | 4 | 6 | 8 | 10 |
| 6. Tested Solution<br>(Solution has been tested for performance under the conditions of use)         | 2 | 4 | 6 | 8 | 10 |

**COMMUNICATION SKILLS**

**(1 = lowest and 5 = highest)**

- |   |   |   |   |   |   |
|---|---|---|---|---|---|
| 1. Oral Presentation & Ability to Answer Question<br>(Presentation is well organized, clear, and concise)<br>(Responses are clear and accurate; each team member familiar with all aspects) | 1 | 2 | 3 | 4 | 5 |
| 2. Visuals<br>(Visuals aides are clear, neat, organized and complete)   | 1 | 2 | 3 | 4 | 5 |
| 3. Written Work<br>(All written material is organized and complete; contributions of each team member are clear)  | 1 | 2 | 3 | 4 | 5 |
| 4. Background Research (Bibliography)<br>(Use of library and resources are documented)  | 1 | 2 | 3 | 4 | 5 |

**PERSONAL GROWTH**

- |   |   |   |   |   |   |
|---|---|---|---|---|---|
| 1. Scientific Value of Project<br>(Information presented is relevant and significant)   | 1 | 2 | 3 | 4 | 5 |
| 2. Creativity and Originality<br>(Project shows a creative approach to the problem)   | 1 | 2 | 3 | 4 | 5 |
| 3. Knowledge Gained<br>(Understanding of concepts is appropriate to grade level)  | 1 | 2 | 3 | 4 | 5 |
| 4. Effort and Attitude<br>(Adequate time, effort and attitudes are demonstrated; each team member fully involved and reflects coordinated efforts of both team members) | 1 | 2 | 3 | 4 | 5 |

Total Score \_\_\_\_\_

**NOTE FROM THE JUDGE**

Student's Name \_\_\_\_\_ Division \_\_\_\_\_ Exhibit # \_\_\_\_\_

Project Title \_\_\_\_\_

Judge's Signature \_\_\_\_\_



**NOTE FROM THE JUDGE**

Student's Name \_\_\_\_\_ Region \_\_\_\_\_ Exhibit # \_\_\_\_\_

Project Title \_\_\_\_\_

Judge's Signature \_\_\_\_\_