***2019 Science & Engineering Fair SCORE SHEET***

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| **Name:**  **Project Number:**  **Project Title:** | **Project is a No Show**  **Student did NOT attend interview** | | | | |
| **Judging Criteria** | **Fair** | **Average** | **Good** | **Superior** | **Points Awarded** |
| **I. RESEARCH QUESTION**   * Clear and focused purpose * Identifies contribution to field of study * Testable using scientific methods   **~OR~**  **I. RESEARCH PROBLEM**   * Description of a practical need or problem to be solved * Definition of criteria for proposed solution * Explanation of constraints | 3  points | 4-6 points | 7-8 points | 9-10 points |  |
| **II. DESIGN & METHODOLOGY**   * Well-designed plan and data collection methods * Variables and controls defined, appropriated and complete   **~OR~**  **II. DESIGN & METHODOLOGY**   * Exploration of alternatives to answer need or problem * Identification of a solution * Development of a prototype/model | 7  points | 8-11 points | 12-13 points | 14-15 points |  |
| **III. EXECUTION: DATA COLLECTION, ANALYSIS & INTERPRETATION**   * Systematic data collection and analysis * Reproducibility of results * Appropriate application of mathematical and statistical methods * Sufficient data collected to support interpretation and conclusions   **~OR~**  **III. EXECUTION: CONSTRUCTION & TESTING**   * Prototype demonstrates intended design * Prototype has been tested in multiple conditions/trials * Prototype demonstrate engineering skill and completeness | 12 points | 13-16 points | 17-18 points | 19-20 points |  |
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| **IV. CREATIVITY**   * Project demonstrates significant creativity/originality/inventiveness in one or more of the above criteria * A creative project demonstrates imagination and inventiveness.  Such projects often offer different perspectives that open up new possibilities or new alternatives.  Judges should place emphasis on research outcomes in evaluating creativity. | 12  points | 13-16 points | 17-18 points | 19-20 points |  |
| **V-a. PRESENTATION – POSTER**   * Logical organization of material * Clarity of graphics and legends * Supporting documentation well selected and displayed | 3  points | 4-6 points | 7-8 points | 9-10 points |  |
| **V-b. PRESENTATION – INTERVIEW**   * Clear, concise, thoughtful responses to questions * Understanding of basic science relevant to project * Understanding of interpretation and limitations of results and conclusions * Degree of independence in conducting project * Recognition of potential impact in science, society and/or economics * Quality of ideas for further research * For team projects: contributions to and understanding of project by all members | 15-16 points | 17-21 points | 22-23 points | 24-25 points |  |
| **Total Score (100 points maximum)**  **Judges’ Initials \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_/\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_** | | | | |  |

Turn in completed form to the **Judging Table**.

PLEASE DO NOT LEAVE ANY REFERENCE TO SCORES ON PROJECTS.