***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
 | 7points | 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.