**STEM - Vicenza Middle School STEM Fair**

***Judge’s Scoring Sheet***

**Project # \_\_\_\_\_\_\_\_ Area of Science: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Project Title: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

|  |  |  |
| --- | --- | --- |
| ***STEM Project Elements*** | ***Points*** | ***Score*** |
| **Presentation:*** **Neatness**
* **Clarity of Text**
* **Use of images, graphics, tables and graphs**
 | **10** |  |
| **Problem Statement****Testable Question: references a cause and effect relationship and a**  **measurable change OR****Proposed Solution/Invention: references a specific outcome** |  **10** |  |
| **Background Research is diverse, multiple sources, works cited; stated in an ABSTRACT or Paragraph summary** | **10** |  |
| **HYPOTHESIS is based on background research and stated as an “If…., then….” statement** | **10** |  |
| **MATERIALS are appropriate and a detailed list is given** | **10** |  |
| **PROCEDURE is sequential and describes the investigation clearly** | **10** |  |
| **VARIABLES are clearly defined (independent, dependent, controlled) - may be worded as “What was changed,” “What I measured,” and “What was kept the same”** | **10** |  |
| **DATA** **Quantitative: observations stated in numerical terms using, standard** **metric units****Qualitative: observations using words, descriptions of physical or** **behavioral changes using the five senses** | **10** |  |
| **CONCLUSIONS are based on the analysis of the data; acceptance or rejection of hypothesis or success of solution/invention is stated;** **ANALYSIS describes the trends or patterns found in the data; includes any uncertainties or suggestions for further efforts** | **20** |  |
| **TOTAL SCORE** |  |  |

**Judge’s Comments to the Student:**