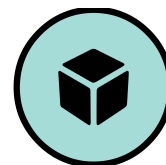


Name: \_\_\_\_\_

Grade: \_\_\_\_\_ Location: \_\_\_\_\_

**Engineering**  
Glenn County STEM Expo  
Judging Evaluation Form



| SEP | SEP-Specific Criteria                                                                                                                                                         | Criteria Met | Criteria Not Met | Feedback |
|-----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|------------------|----------|
| 1   | Simple design problem is clearly defined. (SEP1)                                                                                                                              |              |                  |          |
| 1   | Problem is solved through the development of an object, tool, process, or system and includes criteria for success and constraints on space, materials, time, or cost. (SEP1) |              |                  |          |
| 2   | Model (labeled diagram) clearly represents all operations of the object, tool, process, or system itself. (SEP2)                                                              |              |                  |          |
| 3   | Appropriate methods/tools for construction and data collection are utilized. (SEP3)                                                                                           |              |                  |          |
| 4   | Data (observations of success/failure points) are recorded and analyzed to refine the design problem. (SEP4)                                                                  |              |                  |          |
| 5   | Quantities such as area, volume, mass, time, etc., are measured, estimated, and/or graphed to address engineering questions and problems. (SEP5)                              |              |                  |          |
| 6   | Explanations and design solutions are supported by evidence (e.g., measurements, observations, patterns). (SEP6)                                                              |              |                  |          |
| 6   | Multiple solutions to design problems are considered based on how well they meet the criteria for success and constraints of the design solution. (SEP6)                      |              |                  |          |
| 6   | Scientific concepts and ideas are applied to solve design problems. (SEP6)                                                                                                    |              |                  |          |
| 7   | Claims made about the merit of a design solution are supported by relevant evidence about how it meets the criteria and constraints of the problem (SEP7)                     |              |                  |          |
| 8   | Relevant research from reliable media was conducted. (SEP8)                                                                                                                   |              |                  |          |
| 8   | All scientific and/or technical information is communicated clearly and effectively, including the use of scientific writing, tables, diagrams, and charts. (SEP8)            |              |                  |          |

**TOTAL SCORE: \_\_\_\_\_ / 12**