Indian River Regional Science and Engineering Fair

Elementary Division

**STEM/Engineering Projects**

Preliminary Judge Ranking Form

**Research Question** 10 Points

Description of a practical need or problem to be solved

Definition of criteria for proposed solution

Explanation of constraints

Score

**Design and Methodology** 15 Points

Exploration of alternatives to answer a need or problem

Identification of solution

Development of prototype or model

Score

**Execution, Construction, Testing** 20 Points

Prototype demonstrates intended design

Prototype tested multiple times (minimum 3 to 5 times)

Prototype demonstrates design skill and completeness

Score

**Creativity** 10 Points

Project demonstrates creativity in one or more of the above criteria

Score

**Judges Comments:**

**I really liked:**

**Display Board** 10 Points

Logical organization of material

Clarity of graphics and legends

Supporting documentation displayed with abstract

Score

**Logbook and/or Evidence of Research** 15 Points

Data collected reflects accurate information

Data and research are sufficient to be able to arrive at a reasonable conclusion

Score

**Interview** 20 Points

Clear, concise, thoughtful responses to questions

Understanding of basic science related to project

Quality of ideas for future research

Degree of independence in conducting project

Interprets the results and conclusions with clarity

Recognition of potential impact in science/society

Score

**Totals Grand Total**

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**Suggested Improvements:**

**Additional Comments:**