

Gobbler

Science & Engineering Fair

2022

Judging Criteria for Science Projects:

- I. Research Question (10 points)
 - a. _____ Clear and focused purpose (4 pts)
 - b. _____ Identifies contribution to field of study (3 pts)
 - c. _____ Testable using scientific methods (3pts)

- II. Design and Methodology (15 points)
 - a. _____ Well-designed plan and data collection methods (9 points)
 - b. _____ Variables and colors defined, appropriate and complete (6 points)

- III. Execution: Data Collection, Analysis and Interpretation (20 points)
 - a. _____ Systematic data collection and analysis (5 points)
 - b. _____ Reproducibility of results (5 points)
 - c. _____ Appropriate application of mathematical and statistical methods (5 points)
 - d. _____ Sufficient data collected to support interpretation and conclusions (5 points)

- IV. Creativity (20 points)
 - a. _____ Age appropriate experiment (5 points)
 - b. _____ Use of Technology (5 points)
 - c. _____ Organized (5 points)
 - d. _____ Attention Grabber (5 points)

Judge's Comments:

V. Presentation:

a. Poster (10 points)

- i. _____ Logical Organization of Material (4 points)
- ii. _____ Clarity of graphics and legends (3 points)
- iii. _____ Supporting documentation displayed (3 points)

b. Interview Individual (25 points)

- i. _____ Clear, concise, thoughtful responses to questions (5 points)
- ii. _____ Understanding of basic science relevant to project (5 points)
- iii. _____ Understanding interpretation and limitations of results and conclusions (5 points)
- iv. _____ Degree of independence in conducting project (5 points)
- v. _____ Recognition of potential impact in science, society and/or economics (3 points)
- vi. _____ Quality of ideas for further research (2 points)

c. Interview Team (25 points)

- i. _____ Clear, concise, thoughtful responses to questions (4 points)
- ii. _____ Understanding of basic science relevant to project (4 points)
- iii. _____ Understanding interpretation and limitations of results and conclusions (4 points)
- iv. _____ Degree of independence in conducting project (4 points)
- v. _____ Recognition of potential impact in science, society and/or economics (2 points)
- vi. _____ Quality of ideas for further research (2 points)
- vii. _____ Contributions to and understanding of project by all members (5 points)

Judge's Comments:
