

REGION V MSEF JUDGING CRITERIA FOR SCIENCE PROJECTS (ISEF)

I. Research Question (10 pts)

- ___ clear and focused purpose (3)
- ___ identifies contribution to field of study (3)
- ___ testable using scientific methods (4)

II. Design and Methodology (15 pts)

- ___ well designed plan and data collection methods (7)
- ___ variables and controls defined, appropriate and complete (8)

III. Execution: Data Collection, Analysis and Interpretation(20 pts)

- ___ systematic data collection and analysis (5)
- ___ reproducibility of results (5)
- ___ appropriate application of mathematical and statistical methods (5)
- ___ sufficient data collected to support interpretation and conclusions (5)

IV. Creativity (20 pts)

- ___ project demonstrates significant creativity in one or more of the above criteria

V. Presentation (35 pts)

a. Poster 10 pts)

- ___ logical organization of material (3)
- ___ clarity of graphics and legends (4)
- ___ supporting documentation displayed (3)

b. Interview (25 pts)

- ___ clear, concise, thoughtful responses to questions (4)
- ___ understanding of basic science relevant to project (4)
- ___ understanding interpretation and limitations of results and conclusions (4)
- ___ degree of independence in conducting project (4)
- ___ recognition of potential impact in science, society and/or economics (4)
- ___ quality of ideas for further research (4 or 5)
- ___ for team projects, contributions to and understanding of project by all members (1)