Scientific and engineering practices from The National Research Council of the National Academy of Sciences.

Judging criteria is based on the Regeneron International Science and Engineering Fair.

JUDGING CRITERIA FOR SCIENCE PROJECTS

I. Research Question (10 pts)
II. Design and Methodology (15 pts)
III. Execution: Data Collection, Analysis & Interpretation (20 pts)
IV. Creativity (20 pts)
V. Presentation (35 pts)

JUDGING CRITERIA FOR ENGINEERING PROJECTS

I. Research Problem (10 pts)
II. Design and Methodology (15 pts)
III. Execution: Construction and Testing (20 pts)
IV. Creativity (20 pts)
V. Presentation (35 pts)

Scientific and engineering practices:
- Asking questions (science) and defining problems (engineering)
- Developing and using models
- Planning and carrying out investigations
- Analyzing and interpreting data
- Using mathematics and computational thinking
- Constructing explanations (science) and designing solutions (engineering)
- Engaging in argument from evidence
- Obtaining, evaluating, and communicating information

Questions? Please contact Andrea Ziegler at amziegler@ua.edu or 205-348-9854.