Science Fair Judging

PLEASE USE THIS DOCUMENT AS A RESOURCE ONLY

Judges may evaluate and focus on:

1. How well a student followed the scientific methodologies.
2. The detail and accuracy of research as documented in the Science Notebook
3. If experimental procedures were used in the best possible way rather than supporting equipment.

Judges may look for a well thought-out research. They may look at how significant your project is in its field, how thorough you were, and how much of the experiment thought and design is your own work.

Judging Criteria

Please use the follow Judging Criteria as a resource when creating your Science Fair Project:

A. CREATIVENESS

1. The problem is original or is a unique approach to an old problem (considering the student's grade level)
2. Equipment and materials are used ingeniously
3. Interpretation of data is appropriate for student's grade level
4. Applications of project information shows student's creative involvement
5. Student shows evidence of understanding that unanswered questions remain
6. Creativity is evident

SCIENTIFIC THOUGHT

1. The hypothesis is clearly stated and the project is clearly designed
2. The project shows depth of study and effort
3. Project exhibits orderly recording and analysis of data
4. Sampling techniques and data collection are appropriate for the problem
5. Scientific procedures are appropriate and organized
6. Conclusions formulated are logical, based on the data collected, and are relevant to the hypothesis

ENGINEERING GOALS

1. The project has a clear objective relevant to needs of potential User
2. Product or process had been tested
3. Product or process is both workable and feasible economically and ecologically
4. Project exhibits orderly recording and analysis of data
5. Testing procedures are appropriate and organized
6. Conclusions are logical and based on the data collected

C. THOROUGHNESS

1. The study is complete within the scope of the problem
2. Scientific literature has been searched
3. Experiments have been repeated and careful records have been kept

D. SKILL

1. Special skills needed for construction or use of equipment is evident
2. Special mathematical, computational or observational skills are evident
3. Project is skillfully designed so that it yields valid, reliable, and accurate data

E. CLARITY

1. The science notebook is well organized, neat and accurate
2. The purpose, procedures and conclusions are clearly outlined and the title accurately reflects the problem

F. AUDIO PRESENTATION

1. Acknowledge any help received, with project and presentation.
2. Clearly describe what the project is about when considering the criteria above.
3. How does the project impact science and future research?