

EVALUATION CRITERIA

RESEARCH QUESTION

- Question/problem is clearly stated
- Question was sufficiently limited to allow a solution to be found
- Question is testable using the scientific research process
- Originality in questions asked
- Research addresses a meaningful problem

DESIGN & METHODOLOGY

- A procedural plan was in place for obtaining a solution/answer
- Project demonstrates a well-designed plan and method of data collection
- Variables were clearly recognized and defined
- If controls were necessary, the student(s) recognized their need correctly utilized them
- Student(s) had the required laboratory, computation, observational and design skills to obtain supporting data
- The purpose was carried out to completion within the scope of the original intent

EXECUTION

- There was adequate data to support the conclusions
- There was adequate assistance from parents, teachers, scientists, etc.
- The time spent on the project was appropriate
- Project contains sufficient data collected to provide evidence to support interpretation.
- Student(s) made recommendations for further research

CREATIVITY

- The project shows creative ability and originality in the questions asked, the approach to solving the problem, the analysis of data, or the interpretation of that data
- The student's(/s') findings helps to answer their question in an original way
- The student's(/s') findings promote an efficient and reliable method for solving a problem

POSTER/SLIDES

- Student(s) demonstrated an understanding of the project which is reflected in their written materials
- Important phases of the project are presented in a logical and orderly manner
- Data is clearly and correctly presented
- Results and conclusions are clearly presented
- Poster possesses clarity of graphics, legends and supporting documentation

INTRODUCTORY VIDEO

- Video is clear and audible
- Student(s) demonstrated preparation and thoughtfulness in content of video
- Student(s) clearly introduced themselves and their project
- Student(s) provided a well-rounded overview of their purpose, procedures, and conclusions

INTERVIEW

- Student(s) exhibited clear, concise, thoughtful responses to questions
- Student(s) demonstrated an understanding of the interpretation and limitations of results and conclusions