

* Scoring Sheets

Note: you can use the scoring sheets provided or create your own so long as long as your judges follow the scoring rubric found on the next page.

Scientific Method

CREATIVE ABILITY Rubric (15 pts.)

Uniqueness

Project is truly unique and well thought out. This has not been seen at other fairs.
Project is completely appropriate for age of the student.

Thinking

Project shows the student's thinking and process. The student has adapted and molded the project to make it his/her own.

Student Work

Project depicts the student's own work.

SCIENTIFIC THOUGHT / METHOD Rubric (30 pts.)

Purpose / Problem is clearly addressing a valid scientific or mathematical concept. It is obvious that the idea is the student's own.

Hypothesis is complete, testable, and uses precise wording. It is directly addressing the stated problem and reflects prior knowledge.

Procedure is well-constructed and tests the problem. Steps are outlined in a step-by-step fashion that anyone could follow. All materials are listed.

Observations / Results are clear. Data is summarized in a way that describes what was discovered. Project discusses connections/similarities or differences between data found. Charts, graphs, and/or other visuals are used.

Conclusion

completely answers the problem and states if the hypothesis was successful or rejected. If rejected, there is evidence or reasoning to explain why.

Bibliography

Sources are cited appropriately.

UNDERSTANDING Rubric (30 pts.)

Information

Project is very explicit, indicating what the student has learned throughout the experiment.

Research

Student has used research and literature appropriately, with lists available of who helped, bibliography, books or articles used, etc.

Tell a Story

Student has a precise understanding of the project. Student is able to relate the experiment in an appropriate manner when talking to the judges.

DRAMATIC VALUE / TECHNICAL SKILL Rubric (10 pts.)

Construction

Project is neatly done. Project is creative and organized. Attention has been paid to detail.

Project is well written and easy to follow. Grammar is used correctly with no mistakes.

Spelling and punctuation are correct.

Sentences are structured, concise and detailed.

Charts, graphs and/or other visuals are neatly organized, used, and arranged.

Work is definitely thoughts and ideas of the student.

Appearance

Project holds attention of the viewer at all times.

Project uses color appropriately and is exciting.

Headings are used consistently throughout the project.

CLARITY Rubric (15 pts.)

Communication

Student distinctively communicates the purpose of the experiment, how the experiment was handled, and how it concluded.

Information

Project information is explicit and in the appropriate logical order.

Student's work is accurately displayed.

Understanding

Project is easy to follow and understand. Another person could follow the experiment.

Scientific Method

Score:

CREATIVE ABILITY (15 pts.)

- Project is truly unique and well thought out. This has not been seen at other fairs. It is not a copy of a design found on the internet. Project is completely appropriate for age of the student.
 - Project shows the student's thinking and process. The student has adapted and molded the project to make it his/her own. Project depicts the student's own work.
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SCIENTIFIC THOUGHT / METHOD Rubric (30 pts.)

- **Purpose / Problem** is clearly addressing a valid scientific or mathematical concept. It is obvious that the idea is the student's own.
 - **Hypothesis** is complete, testable, and uses precise wording. It is directly addressing the stated problem and reflects prior knowledge.
 - **Procedure** is well-constructed and tests the problem. Steps are outlined in a step-by-step fashion that anyone could follow. All materials are listed.
 - **Observations / Results** are clear. Data is summarized in a way that describes what was discovered. Project discusses connections/similarities or differences between data found. Charts, graphs, and/or other visuals are used.
 - **Conclusion** completely answers the problem and states if the hypothesis was successful or rejected. If rejected, there is evidence or reasoning to explain why.
 - **Bibliography** Sources are cited appropriately.
-

UNDERSTANDING (30 pts.)

- Project is very explicit, indicating what the student has learned throughout the experiment.
 - Student has used research and literature appropriately, with lists available of who helped, bibliography, books or articles used, etc.
 - Student has a precise understanding of the project. Student is able to relate the experiment in an appropriate manner when talking to the judges.
-

DRAMATIC VALUE / TECHNICAL SKILL (10 pts.)

- **Construction**
 - Project is neatly done. Project is creative and organized. Attention has been paid to detail.
 - Project is well written and easy to follow. Grammar is used correctly with no mistakes.
 - Spelling and punctuation are correct.
 - Sentences are structured, concise and detailed.
 - Charts, graphs and/or other visuals are neatly organized, used, and arranged.
 - Work is definitely thoughts and ideas of the student.
 - **Appearance**
 - Project holds attention of the viewer at all times.
 - Project uses color appropriately and is exciting.
 - Headings are used consistently throughout the project.
-

CLARITY (15 pts.)

- Student distinctively communicates the purpose of the experiment, how the experiment was handled, and how it concluded.
 - Project information is explicit and in the appropriate logical order.
 - Student's work is accurately displayed.
 - Project is easy to follow and understand. Another person could follow the experiment.
-

Total:

Comments: