

MSU Billings Science Expo 2023

SCIENCE JUDGING RUBRIC

Research Question:

- Clear and focused question or observation ____/5
- Proposed question is testable using scientific method ____/5

Hypothesis:

- Hypothesis supports research question ____/5
- Hypothesis is based on sufficient background knowledge ____/5

Procedure:

- Method used is in order/logical fashion ____/5
- Procedure can be easily repeated ____/5
- Variables and Controls are defined and used properly ____/5
- Appropriate number of samples were used to have accurate results ____/5

Results:

- Data reflects procedure accurately ____/5
- Data is presented in summative form ____/5

Conclusion:

- Conclusion summarizes analyzed data appropriately ____/5
- Conclusion points back to hypothesis ____/5
- Student demonstrates knowledge of practical application ____/5
- Student demonstrates knowledge of potential limitations in project ____/5

Overall Presentation:

- All eight areas are present
(question, hypothesis, method, materials, data, safety measures, results, sources) ____/5
- Student understands science being used ____/5
- Display all together is clear and organized ____/5
- Student provided reliable sources ____/5
- Professional mannerisms, eye contact, clear speaking. Student is engaged ____/5
- Evidence of student creativity ____/5

Total possible points _____/100