

Name _____

Class _____

SCIENCE INQUIRY PROJECT SCORE SHEET

ABSTRACT _____ / 5 pts.

- 1-2 paragraph descriptive overview of your project
- Includes the purpose, procedures and summary results of your investigation

INVESTIGATIVE QUESTION _____ / 5 pts.

- Includes at least 3 variations of a single independent variable
- Tests the effects of the independent variable on a dependent variable
- Yields numerical data that can be compared on a graph

BACKGROUND RESEARCH _____ / 10 pts.

- Summarized, not copied (minimum 1 full page)
- Information is accurate and appropriate to the topic
- Student cites at least 2 reliable sources of information

HYPOTHESIS _____ / 5 pts.

- Predicts specifically how each variation of the independent variable will affect the dependent variable
- Includes a justification for each predicted outcome supported by research

MATERIALS AND PROCEDURES _____ / 10 pts.

- Materials list is complete and includes specific amounts
- Procedures are clear, complete and numbered

DATA _____ / 30 pts.

- Data table shows results of at least 5 trials for each variation tested
- Calculations of totals and averages are accurate
- A comparison of collected data is displayed on an appropriate graph
- Variables and units of metric measurement are clearly labeled on the data table and graph
- Includes qualitative observations (e.g. notes; diagrams; photos of results)
- Includes rough drafts of all collected data and observations

CONCLUSION _____ / 15 pts.

- Includes a restatement of the original hypothesis
- Summarizes all data and observations
- Includes a thorough analysis and explanation of results which considers background research, qualitative observations, and possible experimental errors
- Includes at least 1 real-world application of results
- Includes at least 1 suggestion for future research

ADDITIONAL ITEMS FOR CONSIDERATION _____ / 0-20 pts.