Science Fair Board Sample

Gather background knowledge about the topic.

Tell the reasons you are conducting this experiment. What do you want to learn?

Background Information and Research

Be sure to list everything you have used to help you complete the experiment.

The list should include everything another person would need to conduct your experiment if they wanted to do it on their own.

Materials

Procedure

Step by step directions of how you completed your investigation.
(First, Next, Then, After That, Finally)

What do you think will happen when you run the experiment? What do you predict? This is a statement that answers your question.

Your title should capture interest. What is your scientific question?

Title/Question of Project

Hypothesis/Claim

Evidence, Project Data and Analysis

This is where you "show" what happened in your experiment.
Provide facts, data and observations from your investigation.
Include pictures, graphs, charts, and/or tables.

If it applies, note the:

- Independent variable (what you change)
- Controlled variable (what you keep the same)
- Dependent variable (what you observe or notice after you make your change.

Results, Reasoning and Conclusion

Tell/describe the exact outcome.

Use data to support your statements.

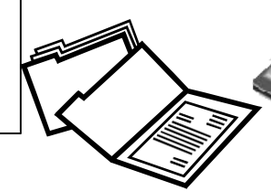
Explanation of the science/scientific rule that supports your evidence.

Summarize your results, tell if the results support or challenge your hypothesis.

How does this apply to the real world (our everyday lives)?

Reflection

Judge your procedure.

- What worked well in your investigation?
- What gave you trouble?
- What changes would you make for better results?
- What can you find out next? How can you take this experiment further?

Additional Materials May Include:
Report
Log/Journal
Demonstration Pieces