

Science: Fair Grade 7 Name: _____

Purpose: I understand the scientific method and process. I can clearly formulate a hypothesis with variables and construct a procedure. I can also gather data on the experiment and reflect on the scientific process.

Criteria	Proficient: I can demonstrate a complete understanding of the concepts.
Hypothesis If Then Because	There is a specific hypothesis that has if then because statement. It makes sense and it is not a guess. Your hypothesis is based off your research.
Independent, Dependent, and control variables.	The independent, dependent and control variables are clearly stated. The variables make sense and are identified correctly.
Scientific procedure	The scientific procedure clearly outlines the steps of the experiment. The steps are easily followed allowing anyone to repeat the experiment and achieve the same results.
Data Qualitative (Descriptive language) And Quantitative (numbers)	There is qualitative and quantitative data included. This could be shown as a graph, chart, table, and short descriptive paragraph.
Scientific findings and reflection	There are two paragraphs, one on the findings of the experiment and one on a reflection. Both paragraphs have clearly outlined what happened in the project. For example, was it successful and what could be changed for a future experiment?

Sources of information

There are at least two to three websites listed. Also, the websites are reliable. The information from the sites matches up with what is said in the project.