

Reflections on Experimental Inquiry

Things to do when you turn in your experimental science inquiry:

- Complete the reflection below and append it to the front of the inquiry when you turn it in.
- Attach your skill module on using a measuring device to the end of the inquiry.

Name: _____

Inquiry Topic: _____

If you were assigning a letter grade as a college teacher in an honors course, what grade would you give your own inquiry (A through F): _____

Did you like your original idea: yes _____ no _____

Did you like your finished product: yes _____ no _____

Did you give yourself enough time to do a good job on the inquiry? yes ____ no ____

Explain the reasoning behind the grade that you assigned yourself for this inquiry.

What were the most challenging issues for you with the inquiry (consider, for example, idea development, background knowledge, poor experiment design, inability to pose a mathematically-relevant question, etc?)

How confident are you that the data you collected was appropriate for the mathematical tests you performed?

How confident are you that your calculations (statistics, optimization or modeling) were correctly performed?

Did the results of your data collection and analysis actually tell you what you set out to know? What new question might you pose or new result might you try to achieve as a consequence were you to repeat the inquiry?

How has this inquiry changed your perception of the idea of collecting experimental data?