

Components of a Science Notebook

Questions/Problems/Purpose

- * Develop to reflect content/standards being taught
- * Relates to "big idea" and purpose of the lesson (guiding questions)
- * Clear and concise
- * Investigable

Prediction

- * Connect to prior experience
- * Is clear and reasonable
- * Relates to question
- * Gives an explanation/reason

Planning/Procedures

- * Clear and concise directions for others to follow
- * May state materials to be used
- * May be written before investigation as a plan
- * May be written following the investigation to show sequence that was followed
- * May identify variables and control
- * Students need to have a clear plan for recording the data they collect

Data/Observations

- * Label drawings may be used
- * May be written in a narrative form
- * Graphic organizers may be developed
- * Should clearly related to plan/procedure developed
- * Should be organized and accurate
- * Should relate to the question posed to students

Reflection/Summary/Conclusion

- * Student generated in own words
- * Clear statement of what was learned
- * Based on question/planning/evidence
- * Reflective
- * Show rigor in thinking

"I Wonder" Questions

- * Student generated
- * Extension/new application of original question
- * Researchable or investigable
- * Should be recorded throughout unit of study