Teacher: Krantz Latzke Osuch

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|  | 1 | 2 | 3 | Score |
| Knowledge  Gained | Demonstrates little/no knowledge gained, nor scientific skills. | Shows familiarity with topic and demonstrates scientific skills. | Thoroughly understands topic and demonstrates scientific skills. |  |
| Scientific  Approach | Problem not defined and did not use the scientific method. | Has an acceptable defined problem and used the scientific method to solve it. | Has a well-defined problem and used an orderly method for solving the problem. |  |
| Experimental  Approach | Experiment not performed/scientific method not used or used correctly. | Although the Scientific Method was used the experiment was not appropriate. | Experiment was appropriate and effective. A variable was evident. |  |
| Validity of  Data | Little of no data collected. | Data not necessarily reliable. Number of trials not adequate. (Only 1 or 2 trials) | More than adequate data collected by repeated tests. Data reliable. Data charted using table or graph. Odd number of trials (3, 5, 7) |  |
| Validity of  Conclusion | Conclusion inconsistent with data or no conclusion present. | Conclusion has valid points, but is not totally consistent with data. | Conclusion is consistent with data and /or observations. |  |
| Variable  Knowledge | Little or no variable knowledge demonstrated. There are many or no variables. | Some variable knowledge demonstrated. | Very knowledgeable. There is a variable. Student is able to identify variable. |  |
| Display  Information | Missing essential information (title, results, conclusion, etc.).  Mechanics- many distracting spelling errors. | Adequate information is present.  Mechanics – there are some distracting spelling errors.  There is a title. | All elements present (question, hypothesis, procedure, materials, data/results, conclusion, title). Display may include graphics, charts, and/or pictures. |  |
| Oral  Presentation | No eye contract. No information relayed. Not able to answer questions. | Some eye contact. Relied heavily on notes, but was able to answer questions. | Good eye contact. Little use of notes. Answered questions well. |  |