3rd Grade Scientific Method Experiment Rubric

Name

	4. Excellent	3. Satisfactory	2. Poor	1. Unsatisfactory
Problem & Hypothesis: The Problem is the questions you are trying to answer and the hypothesis is your educated guess to answer your problem.	Student clearly states the problem by writing it in question form using correct punctuation. Student clearly states the hypothesis to the problem in a detailed and complete sentence. ("I think…", "I hypothesize…", "If…,then…")	Student states the problem using correct punctuation. Student also states the hypothesis to the problem in a complete sentence. ("I think…", "I hypothesize…", "If…,then…")	Student states the problem and hypothesis with incorrect sentence structure, spelling or punctuation errors.	Student does not state the problem or hypothesis of the experiment.
Procedure Requirements: Procedure is a 6 Step Method. It must be (1)written on Scientific Method Sheet in (2)complete sentences, and include (3)what is measured and what (4)data is recorded.	Student completes 4 of the procedure requirements.	Student completes 3 of the procedure requirements.	Student completes 2 of the procedure requirements.	Student completes 1 of the procedure requirements.
Data and Results: The Data is information collected from the experiment. Recorded data should be written in a data table. The results are the part of the experiment where you analyze the data. This is where calculations are performed. Documentation of observations can be recorded, photographed or hand drawn."	Student data is well represented and organized in a data table. All numbers have labels (cm, ml, g, sec.). All results and observations have been recorded and clearly explained using a data table.	Student data is represented and organized in a data table. Numbers have labels (cm, ml, g, sec.). All results and observations have been recorded and clearly explained using a data table.	Student data is missing information and is not written in a data table. Minimal results and observations have been recorded and explained using a data table.	Student did not record data in a data table. Results are not explained and calculations are not listed.
Conclusion Requirements: Conclusion is (1)well written and in (2)complete sentences, (3)responds to whether your hypothesis was correct, incorrect or varied, and (4)answered the questions written in the problem.	Student completes 4 of the conclusion requirements.	Student completes 3 of the conclusion requirements.	Student completes 2 of the conclusion requirements.	Student completes 1 of the conclusion requirements.

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Organization and Timeliness: Scientific Method Sheet should be (1)clean, unwrinkled, and easy to read. (2)Experiment idea title, (3)presentation and (4) Scientific Method Sheet should all be turned in on the given due date.	Student completes 4 of the organization and timeliness requirements.	Student completes 3 of the organization and timeliness requirements.	Student completes 2 of the organization and timeliness requirements.	Student completes 1 of the organization and timeliness requirements.
Presentation, Audience, and Material Requirements: (1)Materials (powders, liquids, and any other loose materials) are labeled and measured prior to classroom presentation. All (2) Scientific Method steps are clearly stated during the presentation (remembering to project your voice). (3)Student is engaged in other classmates presentations and asks relevant questions. Student is (4)not distracting during presentations.	Student completes 4 of the Presentation, Audience, and Material Requirements.	Student completes 3 of the Presentation, Audience, and Material Requirements.	Student completes 2 of the Presentation, Audience, and Material Requirements.	Student completes 1 of the Presentation, Audience, and Material Requirements.

Total Points: _____/24