

Science Project Grading Sheet

Name(s):

You will receive a grade for each of the six curricular competencies in science. To keep this simple, I have listed three requirements for each. Your grade will be the number of checkboxes I can check:

- 0 or 1 box: not yet meeting expectations
- 2 boxes: approaching expectations
- 3 boxes: meeting expectations
- 4 boxes: exceeding expectations

There is a 4th blank one for each in order to identify ways you have demonstrated each competency in a way not listed.

Questioning and Predicting

- A clearly-stated question is identified, that is measurable and testable.
- The hypothesis makes a specific prediction and gives a reason.
- Background research shows clear evidence of curiosity and investigation.
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Planning and Conducting

- Important variables are identified beforehand, and experiment is designed carefully with these in mind.
- Data is collected or measured to be accurate and meaningful.
- Project is planned and carried out on schedule.
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Processing and Analyzing Information

- Information is collected and organized effectively.
- Graphs, averages, and other summaries of data are meaningful and appropriate.
- Patterns or significant results in data – or the lack of them – are correctly identified.
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Evaluating

- Thoughtful suggestions for improving the experiment and sources of error considered.
- Influence of variables on results is evident in experimental procedure and analysis.
- Sample size and/or quality of evidence considered when discussing significance of results.
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Applying and Innovating

- The experiment has a clear purpose: it is interesting and/or practical – connected to real life.
- The experimental method appropriately applies or tests a scientific idea.
- Innovation is evident in aspects of the project: it is not just following an existing recipe.
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Communicating

- Student can explain their experiment and results verbally.
- Project report is complete, detailed, and clearly presented.
- Project display is organized, complete, and visually attractive.
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