

## Report Requirements for Science Experiment Projects

Title page (do not include your name, only your number, grade, school)	2 pts
Table of contents with page numbers	3 pts
Abstract (you will need 2 typed copies, one inserted here and one loose with number, grade, school)	15 pts
Introduction	10 pts
<ul style="list-style-type: none"><li>○ Statement of purpose/problem/question</li><li>○ Explain why you picked this experiment</li><li>○ Research</li><li>○ Reflection of how the research helped you form your hypothesis</li><li>○ Hypothesis</li><li>○ Independent variable, dependent variable and controls</li></ul>	
Experiment	10 pts
<ul style="list-style-type: none"><li>○ Materials including amounts</li><li>○ Step by step procedures (may include pictures)</li><li>○ Explains what observations will be made, what data will be collected and how many trials</li><li>○ Controls, variables</li><li>○ Safety precautions</li></ul>	
Data	10 pts
<ul style="list-style-type: none"><li>○ Graphs must be set up with axes labeled correctly, units listed and title</li><li>○ Title for graphs and data tables must give clear understanding for what the data represents</li><li>○ Show appropriate units</li><li>○ Includes <b>qualitative and quantitative</b> data</li></ul>	
Summary of Data	15 pts
<ul style="list-style-type: none"><li>○ Averages, mode, median and range</li><li>○ Identify any outliers in your data and explain what may have happened to create them</li><li>○ Translate the data into words and explain what the data tells you</li></ul>	
Conclusion	15 pts
<ul style="list-style-type: none"><li>○ Summary of what you learned</li><li>○ Restate hypothesis</li><li>○ State if your data supports the hypothesis, <b><u>use evidence from experiment</u></b></li><li>○ Discuss possible errors or what could be changed next time</li><li>○ What would you do different next time? What else can be tested?</li><li>○ How did your independent variable affect your dependent variable?</li><li>○ How does your experiment apply to something beyond science fair?</li></ul>	
Sources (2 sources, documented in MLA format)	10 pts
Acknowledgements	10 pts
Total:	100 pts