

## Report Requirements for Rube Goldberg 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 the requirement (i.e. pop a balloon in six steps)</li><li>○ Explain why you picked this particular project</li><li>○ Research (document anything you studied to help you get all 6 steps working)</li><li>○ Summarize the scientific concepts used in the 6 steps (i.e. friction, levers, gravity, etc.)</li></ul>	
Contraction	10 pts
<ul style="list-style-type: none"><li>○ Materials including amounts</li><li>○ Step by step description of the process from initial to popping of the balloon (may include pictures)</li><li>○ Safety precautions</li></ul>	
Summary of Contraction	25 pts
<ul style="list-style-type: none"><li>○ Explain each step individually<ul style="list-style-type: none"><li>○ address your original idea for the step and then all alteration(s) you had to make to get it to work</li><li>○ identify how you were able get it to finally work, if applicable, maybe you asked someone for help, maybe you just kept trying different ideas, etc.</li><li>○ address the scientific concept(s) involved</li></ul></li><li>○ Repeat previous for 5 remaining steps</li><li>○ Identify which step was most difficult for to figure out and why</li><li>○ Reflection of how the test/change/test cycle helped you produce something that met the requirement</li></ul>	
Conclusion	15 pts
<ul style="list-style-type: none"><li>○ Summary of what you learned</li><li>○ What would you do different next time?</li><li>○ What else could you have done to produce a better project?</li><li>○ Do you plan on doing this type of project next year? Why or why not?</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