

Learning Fair - Scientific Investigation Rubric

☺	100	85	65	<64
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Research Paper

Intro. Report	Introduces the topic providing ample background information with a focused clearly worded research question	Introduces the topic with sufficient background information with a focused research question	Attempts to introduce the topic but lacks clear focus or sufficient background information or missing question
Materials & Procedure	Materials section is complete & detailed; Procedure is chronologically arranged and highly detailed	Materials section is complete; Procedure is arranged chronologically but could use more information to be clear	Materials section and/or lacks sufficient detail or is arranged in a way that creates confusion or lacks clarity
Conclusion & Evaluation	Conclusion summarizes the results as they pertain to the intriguing hypothesis and offer insight into the topic	Conclusion summarizes the results as they pertain to the hypothesis	Conclusion lacks detail an/or fails to comment on the hypothesis
Sources	_____ sources, proper bibliography, AND proper use of in-text references	_____ - _____ sources, proper bibliography, AND mostly proper use of in-text references	_____ or fewer sources OR serious citation errors OR no in-text references
Usage & Mechanics	Exceptional use of sentence structure. Little to no errors/ omissions in punctuation, capitalization, and usage	Good use of sentence structure. Some errors/ omissions in punctuation, capitalization, and usage	Limited use of sentence structure. Many errors/ omissions in punctuation, capitalization, and usage
Reflection	Reflects on the process and results of the scientific investigation, commenting on specific details offering well-thought ideas to improve the investigation	Reflects on the process and results of the scientific investigation, with comments about general aspects of the investigation and offers some ideas for improvement	Reflects on the investigation, with general statements offering little or limited ideas about the process

Visual Display

Title, Hypothesis, & Intro	Eye-catching title; Intriguing hypothesis included; introductory research is presented with high quality visuals and text	Title; Hypothesis; introductory research present	Some element is missing: title, hypothesis, or introductory information OR visuals lack quality and appropriate information
Materials & Procedure	Materials & Procedure section are presented with high quality visuals and text and are complete and orderly	Materials & Procedure sections are present with visuals and text	Some element is missing in the materials and/or the procedure OR visuals lack quality and appropriate information
Results & Conclusion	Results are presented in graphic form of high quality; Conclusion is presented using visual and text	Results are presented in graphic form; Conclusion is present	Some element or detail is lacking in the results and/or conclusion OR visuals lack quality and appropriate information
Written Quality	Exceptional use of vocabulary, spelling, and language mechanics	Fundamental use of vocabulary, spelling, and language mechanics	Limited use of appropriate vocabulary, spelling, and language mechanics

Model (Extra Credit)

Model (Extra Credit)	Enhances and explains the investigation. This can include the materials, your lab journal, results tables, and other experimental pieces. All physical items must have labels. 10, 5, and 3 points will be awarded based on the quality of the display.
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Name: _____

Class: _____

Topic: _____

If a student performs at a level showing no effort or little regard for the assignment the teacher reserves the right to assign a failing grade between 0 and 64.