

**SCIENCE FAIR RESEARCH PAPER RUBRIC**

STUDENT NAME: \_\_\_\_\_

PARTNER (if applicable): \_\_\_\_\_

Period: \_\_\_\_\_

	<b>MISSING</b> No Credit	<b>POOR</b> Minimal Credit	<b>NEEDS IMPROVEMENT</b> Partial Credit	<b>GOOD</b> Full Credit	<b>EXCELLENT</b> Extra Credit
<b>PROJECT TITLE</b> 5 points	<b>-5</b> Missing	<b>-3</b> - Inappropriate or unrelated to topic	<b>-2</b> - Unclear/Confusing	<b>5</b> - Appropriately reflects topic - Avoids brand-names	<b>+1</b> - Especially Creative - "Eye/Mind-Catching"
<b>RESEARCH QUESTION</b> 5 points	<b>-5</b> Missing	<b>-3</b> - Inappropriate/Unapproved - Unclear	<b>-2</b> - Uses subjective words such as "best" or "wins" - Difficult to answer using science	<b>5</b> - Includes both the IV and DV within the question	<b>+1</b> - "How does ___ affect ___?"
<b>HYPOTHESIS</b> 5 points	<b>-5</b> Missing	<b>-3</b> - States a prediction instead - Off-topic	<b>-2</b> - Poorly worded/Confusing	<b>5</b> - Testable statement about the topic	<b>+1</b> - Can be used as the "IF" part of an "If→Then" statement
<b>PREDICTION</b> 5 points	<b>-5</b> Missing	<b>-3</b> - Confusing/Illogical	<b>-2</b> - Inappropriately uses words such as "best" or "wins"	<b>5</b> - Statement of the expected outcome	<b>+1</b> - Can be used as the "THEN" part of an "If→Then" statement
<b>MATERIALS</b> 5 points	<b>-5</b> Missing	<b>-3</b> - Some key materials are missing	<b>-2</b> - Poor formatting - List is confusing	<b>5</b> - Detailed list of ALL necessary materials (# and type)	
<b>PROCEDURES</b> 10 points	<b>-10</b> Missing	<b>-5</b> - Confusing to follow - Poor scientific method	<b>-2</b> - Poorly worded/formatted - Questionable methods	<b>10</b> - Detailed and easy to follow - Reflect sound scientific methods	
<b>RESULTS</b> 15 points	<b>-15</b> Missing	<b>-10</b> - Irrelevant or missing data - Data is poorly communicated	<b>-5</b> - Patterns and relationships are not prominently shown	<b>15</b> - Includes visual results (ie: graph, table, pictures,etc) - Highlights patterns or relationships in data	<b>+2</b> - Especially effective use of graphics to highlight relationships in data
<b>DISCUSSION OF RESULTS</b> 20 points	<b>-20</b> Missing	<b>-10</b> - Fails to discuss patterns & relationships - Does not show evidence of real understanding/learning	<b>-5</b> - Discussion lacks depth & indicates partial understanding - Fails to identify relevant scientific concepts	<b>20</b> - Describes relevant patterns and relationships in data - Discusses relevant scientific concepts that apply	<b>+5</b> - Thorough discussion of relationships and topic shows a deep understanding of data and scientific concepts
<b>CONCLUSION</b> 10 points	<b>-10</b> Missing	<b>-5</b> - Fails to answer research question - Is not supported by evidence	<b>-2</b> - Conclusion is unclear - Minimal support from evidence	<b>10</b> - Directly answers the question - Supported by the evidence	
<b>ABSTRACT</b> 10 points	<b>-10</b> Missing	<b>-5</b> - Fails to fully summarize the project	<b>-2</b> - Does not reflect guidelines	<b>10</b> - Includes summary of purpose, procedures, results, & conclusion	
<b>FORMAT</b> 5 points	-	<b>-5</b> - Research paper is disorganized and difficult to follow	<b>-2</b> - Parts of the paper are not clearly labeled or are "hidden"	<b>5</b> - Research paper meets all requirements	
<b>EFFORT &amp; CREATIVITY</b> 5 points	-	<b>-5</b> - Project looks "thrown together" - Reflects minimal effort	<b>-2</b> - Parts of the project appear to reflect minimal effort	<b>5</b> - Reflects a reasonable standard of neatness, effort, & creativity	<b>+1</b> - Especially Creative - "Eye/Mind-Catching"

**TOTAL POINTS = \_\_\_\_\_ / 100**

