

NAME \_\_\_\_\_

DATE \_\_\_\_\_

**SCIENCE FAIR – 9<sup>th</sup>  
WRITTEN REPORT RUBRIC**

				<b>Points Received</b>
		No Binder	Binder Present	
<b>Enclosed in binder</b>		<b>0</b>	<b>10</b>	
<b>Cover Page / Table of Contents</b>	Two components missing or incorrect	One component missing or incorrect	All components present -accurate page numbers -information spelled correctly	
	<b>3</b>	<b>8</b>	<b>10</b>	
<b>Hypothesis</b>	Unclear hypothesis	General or unspecific hypothesis	Hypothesis stated as a prediction, original idea & independent & dependent variable identified	
	<b>6</b>	<b>8</b>	<b>10</b>	

<b>Introduction</b>			
<p>Your Introduction should state the purpose and rationale for your project. In it, you should state your research question succinctly, but thoroughly.</p> <ul style="list-style-type: none"> <li>▪ Tell us why it is important to address this question. Why would this research be significant?</li> <li>▪ You should review information and views already presented by other researchers, policy-makers, and opinion leaders to develop your justification, but in the Introduction you should cite only the most pertinent references.</li> <li>▪ The Introduction should tell us about what you propose to study, how your findings might apply to a more topic and thus, what potential impact it might have.</li> </ul>			
	3 or more components are missing or incomplete	2 components are missing or incomplete	All components are present and complete.
	<b>10</b>	<b>20</b>	<b>25</b>

## Methods / Procedure

- Describe the design of your study and why that design was the most practical or appropriate to solve your research question.
- Describe the procedures for data collection (or selection), including setting and timeframe of the data collection (e.g., general community, national sample, during what period of time, etc.). Materials needed, safety precautions, proper order of the procedure listed.
- Briefly state how and why you chose the source of your data.
- If you used a secondary data source, you must describe where you can find your data set and how you gained access to it. This includes describing how you located, selected, extracted and synthesized the data that you used, particularly if you combined data from more than one database.
- If applicable, describe the age, gender, and other characteristics that made up inclusion criteria for the study population and explain why.
- If applicable, explain the sampling technique.
- If applicable, describe what material you want to obtain from subjects and how you obtained it.
- Define the primary outcome measure for the study. Generally, you should determine how you will measure the outcome before you begin collecting data. For example, the outcome measure for a project investigating the effectiveness of a community intervention to reduce obesity might be a 50% increase in average physical activity level. How would this be defined and measured?

*Describe the analytical methods you would use. As noted above, you should describe your statistical methods with enough detail so that a knowledgeable person with access to your original information can verify the results you report. Be sure to give standard references for statistical methods. Tell us why the analyses you carried out were appropriate for your study design.*

	Unclear – three or more components are missing from this section or incomplete.	General or unspecific - one or two components are missing from this section or incomplete.	Clear, logical, and specific - includes all components of this section	
<b>Methods / Procedure</b>	<b>1</b>	<b>20</b>	<b>25</b>	
<b>Spelling &amp; Grammar</b> -Complete sentences  Well written using correct grammar and spelling	6 or more errors	3-5 errors	1-2 errors	
	<b>1</b>	<b>3</b>	<b>5</b>	
<b>Length</b>		Less than 2 or More than 8 pages	2-8 pages	
		<b>0</b>	<b>5</b>	
<b>Total</b>				
<b>Final Grade</b>				

## Acknowledgements

	Unclear <b>1</b>	General or unspecific <b>3</b>	Clear, logical, and specific <b>5</b>	Points Received
Described your role				
Acknowledged the role of the expert				
Described your mentors role				
Additional mentors or persons that worked with you on the project				
	5 or more errors	1-4 errors	0 errors	
	<b>1</b>	<b>3</b>	<b>5</b>	
Spelling & Grammar <ul style="list-style-type: none"> <li>• Complete sentences</li> <li>• Well written using correct grammar and spelling</li> </ul>				

		More than 1 page 0	1 page maximum 5	
Length				
Total				
Final Grade				

### Annotated Bibliography (References)

	❖ Novice	❖ Proficient	❖ Exemplary	Points Received
	<ul style="list-style-type: none"> <li>❖ Lack of focus</li> <li>❖ Little, if any organization</li> <li>❖ Limited or unclear supporting ideas</li> <li>❖ Development limited to repetition of words</li> <li>❖ Article not attached</li> </ul>	<ul style="list-style-type: none"> <li>❖ Clear controlling idea</li> <li>❖ Generally relevant supporting ideas.</li> <li>❖ Ideas presented with logical connections.</li> <li>❖ Appropriate organization.</li> <li>❖ Sense of completeness.</li> <li>❖ Article attached</li> </ul>	<ul style="list-style-type: none"> <li>❖ Strong, clear controlling idea.</li> <li>❖ Article summarized in at least 1-2 pages.</li> <li>❖ Ideas supported with examples and details.</li> <li>❖ Appropriate, logical organization.</li> <li>❖ Sense of completeness/fullness.</li> <li>❖ Article has a connection to research question (hypothesis).</li> <li>❖ Article attached</li> </ul>	
	<b>1</b>	<b>3</b>	<b>5</b>	
Reference 1				

Reference 2				
Reference 3				
Reference 4				
Reference 5				
Used APA format for references				
<b>Total</b>				
<b>Final Grade</b>				

## Journal - Record of Project Development

				Possible Points
<b>Journal</b>	More than 3 parts are missing or incomplete	1 – 2 of the criteria is missing or incomplete	All journal entries are written. Entries are detailed provide a timeline for the development of the research. Clear Purpose & objective, searched for related facts, development of hypothesis. Purpose identified, problem completely discussed, and student aware of other approaches/theories, familiar with related literature. All journal entries are organized and dated. All entries are written in pen. <b>(all of the above are provided)</b>	
	<b>10</b>	<b>20</b>	<b>25</b>	
	Graphs and charts are not neat, some are labeled, and better organization is needed, more time is needed for detailed explanations of research.	Graphs and charts are somewhat neat, labeled, and organized, more information is needed for research.	Graphs and charts are neat, labeled, and organized, time was taken for detailed explanations of research.	
	<b>10</b>	<b>20</b>	<b>25</b>	
<b>Total Points</b>				
<b>Final Grade</b>				



## Relevant Science Fair Forms Completed

	Missing information on form	Forms completed with relevant signatures	Points Received
	<b>2</b>	<b>5</b>	
<b>Abstract</b>			
Checklist for Adult Sponsor / Safety Assessment Form <b>Form 1</b>			
Student Checklist <b>Form 1A</b>			
Approval Form <b>Form 1B</b>			
Registered Research Institutional / Industrial Setting Form <b>Form 1C</b>			
Additional Forms – Required based on your research			
<b>Total</b>			
<b>Final Grade</b>			