

EXPERIMENT PROJECT:	10	7	5	0	
<i>Scientific Portion</i>					
Statement of Purpose: What led the individual to choose the STEM field their project is in?	Has a detailed explanation that is original and creative. It has all the criteria listed in the participant guide	includes a detailed explanation of at least five sentences with a target point, but a few grammar mistakes were present	a somewhat detailed explanation was provided; several grammar mistakes were made; original thought has not been provided	No statement of purpose has been provided.	
Background: Did the individual research the STEM field they chose? Was a scientific description of the experiment provided about what the student is trying to prove? Did the student include a hypothesis?	was extremely detailed, included sources where the student found the information, research is relevant and easy to understand; the hypothesis is in the "if...then ...because" format and has been supported by research	did not include sources, but research was well-put and concise; the hypothesis is in the "if...then...because" format but is not supported with facts	some of the research was irrelevant, sources were included; the hypothesis is not in the proper format and is not supported by facts.	No background knowledge, research, or hypothesis was provided OR student has plagiarized and their statement is not based on facts	
Materials: Did the individual include a list of materials for their project? If so, how convenient were the materials?	includes a detailed list of materials with units of measurement; if substitutes were needed for some, they have been provided for the judge to grade	includes materials, but is not straight to the point. ex: water vs 50 mL of water uses less than five materials	units of measurement were not provided for the necessary materials, three or less materials have been used for the experiment	no list of materials has been provided.	
Analysis: one or two paragraphs about the results of experiment, graded on grammar, vocab usage, and understandability	shows participant has a strong understanding of the experiment and its results, includes detailed and original analysis on four trial runs of the experiment, includes sources to data to support statements or findings in the project, includes a data table for the data findings	is clear and easy to read, good usage of vocab is present throughout, no references to data to support findings in experiment have been provided, states they completed three trial runs	difficult to understand, multiple grammar mistakes were present throughout, includes a detailed analysis on two trial runs of the experiment, no data table has been provided	no analysis has been provided.	
Conclusion Statement: Summarize the results of the experiment in your own words.	reflection on the experiment is provided and shows that the student was precise in every step of the project; detailed summary is provided, encompassing things learned in the project, where could the student improve, what errors could there have been in the procedure, and an example of a similar experiment that can prove the same concept learned in this experiment	reflection on the experiment is provided; student states possible improvements in the project, any errors in the procedure, but no similar examples are provided; conclusion is somewhat detailed	no summary is present about the experiment, but a well-thought out reflection has been provided.	neither the reflection or summary has been provided.	
Content: How well was the procedure carried out? How detailed is the experiment?	includes a detailed procedure, the analysis is well-thought out and structured, the conclusion accurately summarizes the results, materials include their corresponding units of measurement	much of the project is organized and in a somewhat detailed manner, includes all the necessary sections, but the conclusion doesn't have enough information	The student has put some original thought into the project, but plagiarism is present in some areas	The content is not detailed and no original thought has been put into the project OR no conclusion has been provided	
<i>Creative Portion</i>					
Graphic Design Form (google slides , google slides): How well did the individual represent their STEM field and their experiment in a creative way?	7	5	4	2	0
Graphic Design Form (google slides , google slides): How well did the individual represent their STEM field and their experiment in a creative way?	is excellent and includes all the aspects of the respective STEM field; STEM field has been represented thoroughly through means of drawings, text, facts, etc.	includes some aspects of the respective STEM field; the STEM field is represented through means of drawings, text, facts, etc. lacks originality and/or sufficient images	The graphic design includes a satisfactory amount of aspects of their respective STEM field and the graphic design lacks in creativity.	includes minimal aspects of their STEM field and does a poor representation of their STEM field. There is no creativity present in the project.	no graphic design has been displayed
Creativity: How well did the individual display their creativity?	The project used creative methods (images, text, color, interactive features, etc.) to appeal to the audience and make their graphic design look pleasing; original thought is also shown in the project; experiment is displayed in a creative way (ex. using images and text to explain main points)	The project uses some creative methods to appeal to the audience and make their project look more pleasing; a satisfactory amount of original thought is present throughout	no original thought or creativity is present in the project		student has stolen ideas from online, displaying both plagiarism and no original thought
Originality: Does the student display their creative form in an original format/manner?	format of the project shows a substantial amount of original thought (most of the color, formatting, and design ideas come from the student); is a excellent representation of the student's creative skills.	The format of the project shows original thought and is a good representation of the student's creative skills.	The format of the project some original thought and is a satisfactory representation of the student's creative skills.	The content and design of the project barely represents the student's creative ability	The format is unoriginal and doesn't show any creativity and/or there is no indication of original thought

Appearance: Is the project neat or organized? How did the individual incorporate color in their presentation?	A theme is present in the project (a color theme, STEM subject can be the theme); readable, easy to understand; is colorful	theme is present; the project is readable; looks clean and organized; is colorful but uses only 4 or less colors.	theme is hard to identify; project is hard to read and understand; is organized to some extent.	No theme was incorporated into the project; hard to understand; not organized; does not have good color usage	Minimal neatness/organization, student effort, and color was shown in the project
<i>Presentation Portion</i>	4	3	2	1	0
Eye Contact: Did the presenter make eye contact with the audience? Did they present the information in a way that we can understand?	Eye contact is made throughout the presentation, and the presenter spoke with a loud, clear voice.	Eye contact is somewhat made throughout the presentation, and the presenter spoke with a clear voice.	The presenter barely made eye contact with the audience, and were not easy to hear	The presenter rarely made eye contact with the audience, and the audience could not hear them.	The presenter was looking at their graphic design portion the whole duration of the presentation.
Content: The presentation must include the following sections: statement of purpose, hypothesis, images of the experimental set-up, analysis of data	The presenter points to different parts of their presentation and interacts with the audience. All aspects of the presentation listed in the content section have been provided and explained by the presenter.	The presenter effectively interacts with their presentation/google slides and the audience. However, one of the aspects listed in the description are missing.	The presenter did not interact with their presentation and was missing several parts of the aspects for it.	The presenter was interacting with the presentation, but did not include any of the aspects of the presentation.	The presenter was missing all of the aspects of the presentation.
Time Length: The presentation should be no more than 10 minutes.	presentation is 8-10 minutes	presentation exceeds 10 minutes	presentation is 6-7 minutes	presentation is around 5 minutes	presentation is less than 3 minutes
Evaluation: Was the presentation structured? Did the student use an effective amount of statistics and data? What is the rating for the clarity and cohesiveness of the presentation?	The presentation was in a structured format, the statistics and data were embedded into the presentation at the appropriate slides, gave the presentation in an organized manner	The presentation was in a structured format, but barely any statistics or data was mentioned in the presentation.	The presentation was not organized, but data and statistics were provided	The presentation was not organized, and no data was provided.	The presenter did not state any information relevant to the experiment.
Interaction: Does the presenter interact with their audience in the presentation?	The presenter has multiple points of interaction with the audience ex: questions, trivia, flashcards, google form	The presenter includes some interaction with the audience	The presenter includes little interaction with the audience		There is no interaction with the audience.