

Student Job Descriptions

CLEVER CONCLUDER POSTER PRESENTATION

* Your goal is to create one-fourth of your group's poster. At the final stage of the inquiry, you will put all four posters together.

1. This project will be presented to outside entities.
2. Neatness is tantamount. Creativity is supreme!
3. You will carefully print/type the word "Conclusion" at the top of your paper.
4. After this you will work on the title of your team's main poster while you wait for the data miner to finish their graph.
5. When the graph is complete, you will call your team to a meeting to discuss what they conclude from what you see in your data.
6. You will take notes filling in the blanks on the form provided.
7. Once you have agreed on what you have learned You will type your group's conclusion in a word document. Make the print large enough to fit on one piece of paper.
8. You need to print your name in the upper right-hand corner.

CURIOUS CAT POSTER PRESENTATION

* Your goal is to create one-fourth of your group's poster. At the final stage of the inquiry, you will put all four posters together.

1. This project will be presented to outside entities.
2. Neatness is tantamount.
3. Final poster needs to have a colored paper boarder which matches your team's final project.
4. Needs to have two carefully done illustrations drawn in colored pencil depicting the subject of your team's question.
5. You will carefully print the words "Comparative Question." After this you will carefully print the question your team worked on during this inquiry.
6. You will carefully print the word "Hypothesis."
7. You will carefully print the hypothesis your team tried to prove during this inquiry.
8. Assist the Data Detective, the Sly Sleuth and the Clever Concluder.

DATA DETECTIVE POSTER PRESENTATION

* Your goal is to create one-fourth of your group's poster. At the final stage of the inquiry, you will put all four posters together.

1. This project will be presented to outside entities.
2. Neatness is tantamount.
3. Final poster needs to have a colored paper boarder which matches your team's final project.
4. You will carefully print the word "Analyze Results" at the top of your paper.
5. After this you will construct a bar graph which will be used to compare your tested items following the graphing rules below.
6. You will make graphs demonstrating relationships and patterns found in your data. You will decide what type of graph.
7. Use creativity and ingenuity on your graph.
8. You need to print your name in the upper right-hand corner.

Graphing Rules

- Use a ruler
- Neatness is imperative.
- Title your graph
- Title the x- and y-axis
- Develop a scale with even intervals
- Graph your data

SLY SLEUTH POSTER PRESENTATION

* Your goal is to create one-fourth of your group's poster. At the final stage of the inquiry, you will put all four posters together.

1. This project will be presented to outside entities.
2. Neatness is tantamount.
3. Final poster needs to have a colored paper boarder which matches your team's final project.
4. Needs to have one carefully done illustration drawn in colored pencil depicting the subject of your team's question.
5. You will carefully print the words "Investigation" on the top of your paper
6. After this you will carefully make a bulleted list of the steps your team took to test your hypothesis during this inquiry. All steps need to be included along with supplies used.
7. You need to print your name in the upper right corner.
8. If you finish early, you will work on the group poster.

Conclusion Worksheet

When you do this work, realize you are going to present everything you write down to outside entities. Amaze and dazzle us with your findings!

1. What was our prediction?
2. What was our hypothesis?
3. Was our hypothesis rejected or accepted?
4. Engage in an academic argument: Record four pieces of your team's best data proving why you feel your team's hypothesis was accepted or rejected, discussing patterns and relationships found in your work.
5. Facilitate a discussion about why you selected this data to accept or reject your hypothesis. Write your team's conclusion here.
6. Write down what the team would like to do with what you have learned. This is your action step. This will help guide you when we do our next inquiry. NICE WORK!!

Assessment Rubric

Multimedia Project: Can We Be Garbage Free?

Teacher Name:

Student Name: _____

CATEGORY	4	3	2	1
Asking Questions	The purpose of the question to be answered during the lab is clearly identified and stated.	The purpose of the question to be answered during the lab is identified, but is stated in a somewhat unclear manner.	The purpose of the question to be answered during the lab is partially identified and is stated in a somewhat unclear manner.	The purpose of the question to be answered during the lab is erroneous or irrelevant.
Test the Hypothesis	Procedures are listed in clear steps. Each step is numbered and is a complete sentence. The procedures were executed systematically.	Procedures are listed in a logical order, but steps are not numbered and/or are not in complete sentences. The procedures were somewhat out of order.	Procedures are listed but are not in a logical order or are difficult to follow. The procedures were not carried out completely.	Procedures do not accurately list the steps of the experiment. The procedures were unsuccessful.
Analyze the Data I	At least two accurate graphs were designed completely reflecting the findings of the investigation.	Two graphs were designed reflecting most of the findings from the investigation.	One graph was designed which reflected some of the findings of the investigation.	No graphs were present.
Analyze the Data II	All calculations are shown and the results are correct and labeled appropriately.	Some calculations are shown and the results are correct and labeled appropriately.	Some calculations are shown and the results are labeled appropriately.	No calculations are shown OR results are inaccurate or mislabeled.

Analyze the Data III	The relationship between the variables is discussed and trends/patterns logically analyzed. Predictions are made about what might happen if part of the lab were changed or how the experimental design could be changed.	The relationship between the variables is discussed and trends/patterns logically analyzed.	The relationship between the variables is discussed but no patterns, trends or predictions are made based on the data.	The relationship between the variables is not discussed.
Drawing Conclusions I	Conclusion includes whether the findings supported the hypothesis, and what was learned from the experiment.	Conclusion includes whether the findings supported the hypothesis and what was learned from the experiment.	Conclusion includes what was learned from the experiment.	No conclusion was included in the report OR shows little effort and reflection.
Drawing Conclusions II	Summary describes the skills learned, the information learned and some future applications to real-life situations.	Summary describes the information learned and a possible application to a real-life situation.	Summary describes the information learned.	No summary is written.
Appearance and Organization	The final presentation followed guidelines and uses headings and subheadings to visually organize the material.	The final presentation followed most of the guidelines and uses headings and subheadings to visually organize the material.	The final presentation followed some of the guidelines and the formatting does not help visually organize the material.	The final presentation looks sloppy with cross-outs, multiple erasures, and/or tears and creases.

Collaboration/Cooperation	Student was a true leader throughout the inquiry. Showing initiative to keep the group focused and working toward the end goal.	The student was on task and helped the group most of the time.	The student needed reminding and redirecting from time to time by other group members.	The student was an ineffective group member.
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