Climate Change Project

Your goal is to explain one of the contributors of climate change and explain a solution. As well, in your project you will find a graph related to your topic and explain its importance. The last section you will make some survey questions than develop a graph with your data.

Project Due Date: February 3 end of science block

PART 1:

Note: This section you will have to write at least two paragraphs. I should see some pictures and graphs in you project.

- Explain one of the different contributors of climate change. You may pick from one of the following.
- Make sure you explain any graphs you add to your project. A minimum of one for this section.

- Fresh water use
- ocean acidification
- meat production
- Bi-Geo-chemical flows

- loss of plant and animal diversity
- consequences of deforestation
- land-system changes

PART 2:

Note: This section you will have to write at least one to two paragraphs. I should see some pictures and graphs in you project.

- You will be explaining a solution to the above contributor of climate change you chose.

PART 3:
- You will be designing a survey related to the topic you chose above.
- You will explain the importance of people taking action to help fight climate change related to your topic.
- You will create at least 4 questions related to your topic to ask your classmates.
- Then you will create a graph could be a bar graph, circle graph and so on.
- Lastly you will explain your findings related to your graph.

Science: Climate Change Project Grade *7* Name: _____

Purpose: Earth and its climate have changed over geological time. Why and how have these changes happened. Lasty, what has happened because of these changes and what can we do about it.

Curricular Competencies:
- I can construct relationships in data, including tables, graphs, keys, models, and digital technologies as appropriate
- I can use scientific understandings to identify relationships and draw conclusions
- I can co-operatively design project with a fellow classmate evenly contributing to the assignment.

Criteria	**Emerging: I can demonstrate an initial understanding of the concepts.**	**Developing: I can demonstrate a partial understanding of the concepts.**	**Proficient: I can demonstrate a complete understanding of the concepts.**	**Extending: I can demonstrate a sophisticated understanding of the concepts.**
Information about your contributor and solution to climate change. Part 1 and part 2.	There are no paragraphs only sentences that are not connected and have little to no detail.	Part 1 and part 2 have been partly explained. Furthermore, both sections have complete paragraphs outlining each part in some detail.	Part 1 and part 2 have both been explained thoroughly. Furthermore, both sections have complete paragraphs outlining each part in detail in your own words.	Part 1 and part 2 have both been explained thoroughly with scientific language. Furthermore, both sections have been developed further with multiple paragraphs and details.
Graphs, data, and conclusions	There are no graphs and no conclusions drawn.	Only one of the graphs has been included in your project. As well, that graph has been explained and conclusions drawn.	One graph in part 1 has been included in your project. As well, part 3 has a graph you made. Lastly, both graphs have been explained and conclusions drawn.	A graph has been included in all three sections Lastly, all graphs have been explained and developed with detail and conclusions as well as connections have been drawn.
Collaboration	There was no project completed and no collaboration.	One partner did more of the work than the other. There was some collaboration.	You and your partner have both contributed evenly to the project working collaboratively to complete your project.	You and your partner have both contributed evenly to the project working collaboratively to complete your project. As well, you have both used class time effectively every work block.

Sources of information **Google (is not a source of information and lets you find information) You are not allowed to use Wikipedia as a source of information.**	There are no websites listed. The information from the sites matches up with what is said in the project.	There are few websites listed. The information from the sites matches up with what is said in the project.	There are numerous websites listed. As well, the websites are reliable. The information from the sites matches up with what is said in the project.	There are numerous scientific based websites listed. As well, the websites are reliable. The information from the sites matches up with what is said in the project.
Conventions: Complete sentences Spelling Punctuation Grammar	Frequent errors in spelling. Very little to any punctuation. Sentences are often run-ons or fragments. Difficult to understand writing.	Some errors in spelling, punctuation, and grammar that do not interfere with the meaning. May have some run-on sentences or fragments, but the writing can still be understood.	May include some errors while trying to use more complex vocabulary. Most sentences are correctly written.	May include a few errors when trying to use more complex vocabulary. Sentences are correctly written. Overall, writing has few to no errors and is more sophisticated.