Consequences of Climate Change topic

"The Oscar-winning actor and environmentalist Leonardo DiCaprio has spent the past three years asking a wide variety of people around the world about climate change. His collection of interviews in the film – ranging from President Obama and the Pope through to Elon Musk and Piers Sellars– cover the science, impacts, vested interests, politics and possible solutions."

ACTIVITY:

You're going to watch the "Before de Flood" documentary.

Pre-task:

Read the questions before watching the documentary.

Task:

Watch the "Before de Flood" documentary, take some notes in your notebook and then answer the following questions. All the questions are in the order they appear in the video.

1. How are the humans caused mass extinctions in the past (Dodo, Passenger Pigeon, etc.) different than what is happening today?

2. How has the ice of the Baffin Islands changed during the hunters' lifetime?

3. In Florida what does the term "Sunny Day Flooding" mean?

4. Why do we ignore climate change? What does science have to say?

5. How is China addressing their environmental issues?

6. What does the ocean do for our climate / society? Why is it not doing this job?

7. Explain why and how forests store carbon. Why are the forests of Indonesia being destroyed?

8. Describe some of the key points that President Obama makes about Climate Change?

Post-task: LETTER WRITING ASSIGNMENT

Write a draft of a letter to Leonardo DiCaprio. Thank him for making this movie – this is going to be a very important part of history, and hopefully it will prompt a change. Tell him what you've learned from the movie. Tell him about your favorite (or the most impactful) one or two examples from the movie about climate change or what we need to do to stop climate change. Also, tell him what you plan to do to make changes based on what you learned from the movie.

Be sure to include the salutations (greeting and closing). You will be copying these letters onto awesome paper to send to him soon.

SELF-ASSESSMENT: *CHECKLIST: VIDEO COMPREHENSION*

NAME: ACTIVITY:	I don't know	I know what it is but I need help to do it	I'm working hard and learning it	I can do it myself	I can teach/help someone else how to do it.
I can understand most part of the video					
I can explain what climate change is					
I can argue about climate change consequences					
I can explain most of the climate change impacts that documentary show					
I know most of the vocabulary about climate change					

PEER-ASSESSMENT: *LETTER-WRITING*

*Author's name:*_____   *My name:*_____

	4	3	2	1	SCORE
Salutation and Closing	Salutation and closing have no errors in capitalization and punctuation.	Salutation and closing have 1-2 errors in capitalization and punctuation.	Salutation and closing have 3 or more errors in capitalization and punctuation.	Salutation and/or closing are missing.	
Sentences & Paragraphs	Sentences and paragraphs are complete, well-constructed and of varied structure.	All sentences are complete and well-constructed (no fragments, no run-ons). Paragraphing is generally done well.	Most sentences are complete and well-constructed. Paragraphing needs some work.	Many sentence fragments or run-on sentences OR paragraphing needs lots of work.	
Grammar & spelling (conventions)	Writer makes no errors in grammar or spelling.	Writer makes 1-2 errors in grammar and/or spelling.	Writer makes 3-4 errors in grammar and/or spelling	Writer makes more than 4 errors in grammar and/or spelling.	
Ideas	Ideas were expressed in a clear and organized fashion. It was easy to figure out what the letter was about.	Ideas were expressed in a pretty clear manner, but the organization could have been better.	Ideas were somewhat organized, but were not very clear. It took more than one reading to figure out what the letter was about.	The letter seemed to be a collection of unrelated sentences. It was very difficult to figure out what the letter was about.	
Content Accuracy	The letter contains at least 5 accurate facts about the topic.	The letter contains 3-4 accurate facts about the topic.	The letter contains 1-2 accurate facts about the topic.	The letter contains no accurate facts about the topic.	
				TOTAL SCORE:	