# *Due Date: January 5th, 2017*

**Assignment 1**

**Name Droppers**

# Individual Contributions to Environmental Science

**Introduction**

The study of environmental science is not just about terms, principles, and facts. It is a social cause close to the hearts of many world citizens. The accumulation and quantity of knowledge today is due to the pursuits of many scientists, authors, politicians, and environmentalists. Each has had an impact, small or large, on the study of environmental science and the general environmental awareness of the world’s citizens. The Name Dropper project will allow you to research the life and contributions of one individual important to the environmental movement. The class will learn from you the role this person has played in environmental science.

**Project Outline**

1. Research the person assigned to you, providing the following information:
   1. When did the person live, his/her native country, educational training, and occupation?
   2. What contributions has he/she made to our modern study, understanding, or management of the environment? Be specific! (“This guy did a lot to help us learn about the environment…” is not acceptable.) If there are multiple contributions, describe the three most significant, and explain why they are significant.
   3. Where does your person fit within OUR study of APES? Reference your syllabus to answer this question.
2. Present your information to the class via a power point presentation. Include all the necessary information requested above, but be creative. Pictures, visuals, music, videos of your research individual are encouraged and rewarded. Be neat and careful.

**Assignment 2**

**Documentaries**

CHOOSE TWO DOCUMENTARIES TO WATCH:

Documentaries must be a minimum of 45 minutes in length. Documentaries should look at Environmental ISSUES, not just nature.

Please complete the following for EACH Documentary. Type the information (12 font).

• Provide the name of the documentary and year in which it was released.

• Describe any questions you may have as a result of your viewing (3 Questions Minimum)

• Describe your opinion of the documentary – positive/negative/neutral. Reference items in the documentary to support your thoughts. (Minimum 1 paragraph- 8 sentences/paragraph)

• Relate what you have learned to your personal life – how does it affect/impact you? What information affected you the most? Will it impact how you live your life? (Minimum 1 paragraph- 8 sentences/paragraph)

• Choose one documentary and design a unique movie poster and slogan for it. Your movie poster should be colorful, neat, and include a slogan that identifies the take home message of the film. Then justify and defend your poster /slogan (Minimum 1 paragraph- 8 sentences/paragraph) Suggested Documentaries - many can be found on NetFlix, Amazon Instant Video, or some even stream on the web.

1. National Geographic: Human Footprint
2. Flow: For the Love of Water
3. Dirt
4. National Geographic: Six Degrees Could Change the World
5. Trapped 180° South
6. Food, Inc.
7. King Corn
8. Fresh
9. Who Killed the Electric Car/Revenge of the Electric Car
10. Fuel Manufactures Landscapes
11. Bag It
12. Vanishing of the Bees
13. Baraka
14. Blue Gold: World Water Wars
15. Trashed
16. Plastic Planet
17. Planet in Peril
18. An Inconvenient Truth
19. Empty Oceans, Empty Nets (PBS)
20. The Cove
21. Harvest of Fear (Frontline)
22. Hawaii: Message in the Waves
23. Cane Toads: An Unnatural History

**Assignment 3**

**HOME video and questions.**

Watch HOME video and Answer on a separate sheet in complete sentences, typed (font 12) [https://www.youtube.com/watch?v=jqxENMKaeCU](https://www.youtube.com/watch?v=jqxENMKaeCU%20)

1. Describe the conditions on early Earth.

2. What happened to the carbon that poisoned the atmosphere?

3. How did the agricultural revolution change the Earth?

4. How has Earth changed in the last 60 years since the use of oil has become more widespread?

5. What is most of the grain in the US used for?

6. What led to the dramatic decline in the biodiversity of agricultural crop species?

7. How many kilos of water does it take to produce 1 kilo of beef?

8. How have cars shaped the way housing is laid out in the US and other developed countries?

9. How much has the volume of international trade increased since 1950?

10. What are your thoughts on how the video portrays Dubai? Is it self-sustainable?

11. Rainforest are cut down to make farmland for which products/crops?

12. What makes the growth of Lagos different from how most other cities grow?

13. Where does the water from Greenland’s melting ice sheet go?

14. Why are the glaciers of mountains so important for the people in the lowlands?

15. What hope does this video offer at the end?

This video project covers many topics that we will discuss in APES this year. Give three specific examples that are portrayed in the video about each of the APES concepts that are listed below:

16. All living things are linked

17. Developed vs. Developing Countries

18. Human Innovation and Technology

19. The Carbon cycle

20. Climatic Balance

21. Shortage of Resources