

# Summer Homework For APES

also posted in schoology

Hello all- Welcome to what we'll fondly refer to as APES, Advanced Placement Environmental Science. I am very pleased to be able to continue this course at MA for another year. It will be a challenging year to be sure, but it is based on what I believe is one of the most relevant topics we could study. For the next year (and beyond), we will be living and breathing environmental science.

Since the AP Exam covers a truly ridiculous amount of material, we will get rolling right away. I think that the material pertaining to environmental science is understandable and interesting; the challenge of this course will be keeping up with the amount of material we cover and coming to terms with the controversial nature of environmental issues.

## Summer Assignments (there are five)

**1. E-mail me at [lancepowell@yahoo.com](mailto:lancepowell@yahoo.com)** Write "summer assignment #1" and your name in the subject area. Also, please say hello, introduce yourself and say why you wanted to take this class. I do look forward to working with you. Last thing to include on this email is a list of a few topics you'd be willing to take on for the Adopt-A-Topic assignment (see #4). I will get back to you asap. **Please do this within the first couple weeks of summer!**

## **2. Please go to [schoology.com](http://schoology.com) and set up an account.**

When it asks you for a code, use X34G9-MMM22 We will be using this website as a platform to run the course. It's kind of like Facebook. We have found it to be really useful this year... and we saved a ton of paper as a result of going digital (btw- you can get an app for this if you have a smart phone). Let me know if you have any issues getting a schoology account.

## **3. Please read chapters 1-3 in the textbook (Withgott & Brennan, Environment: The Science Behind the Stories. 4<sup>th</sup> ed).**

For reading accountability there will be:

1. On-line quizzes. **You will find the quizzes in schoology.** You can take each quiz twice- with open notes. They aren't meant to be high stakes quizzes, but rather something to keep us honest with the reading. The first three chapter quizzes must be taken by July 31.
2. For each chapter, take hand-written notes (NOT TYPED) using the posted Cornell Skeletons on Schoology. These are a requirement until you demonstrate you can perform on the College Board assessments.

Definitely pick up this book from the MA library before you take off for the summer. (You may want to purchase the 4th edition of this book on amazon.com- it's pretty cheap used. Then you can write in it, use a highlighter, etc. OR just use the school version for free...) BTW- if you want to get ahead before school starts, keep reading-we'll be covering the whole book.

**There will be an in class test** that covers these chapters within the first few weeks of school. This test will be multiple choice and short response and you will be allowed to use notes. You will also be able to use notes for the last few minutes on exams. **It will serve you well to take clear and organized notes.**

## 4. Adopt-A-Topic

Adopt-a Topic is a yearlong project where you will follow an environmental topic all year and cover current events related to that topic. By the time it's all said and done, you will be an expert on your topic.

There are three phases to the project. In each "phase", you will turn in an annotated bibliography with an abstract of the article you read. An abstract is between 50 and 100 words that concisely summarize the article (ie. who, what, where, when, etc.).

Then follow your abstract with a short paragraph explaining why your article is related to environmental science and what your reaction to the article is/opinion.

**See sample in Schoology.** Each phase will include **5 article abstracts** that you have gathered. It should be turned in typed (and edited) to the schoology digital drop box.

**Source (APA Citation)**

**Abstract**

**X 5**

**Reflection Paragraph**

During the first week of school, the first phase of this project will be due. Your entries may be either... **all** on the World, the United States, **or** California. If, for example, you make California the theme of your entries for the first time you turn it in, this means the next time your topic would be on the World or United States. All articles you use for this project must be during the year of 2016- the idea is they are current. **Any older articles will not be accepted.** The articles you use can be newspaper, magazine or off the internet- if using on-line news sources, **be sure they are actually articles and not just informational websites or encyclopedias** (those will not earn credit) The tip off is if there is a date of publishing in the website, if not, I wouldn't use it. NOTE- there will be a bunch of internet links to news sites posted on schoology that will help you find news articles. If you see a speaker or a cool show on TV, take notes on it and that can be used as well, as long as it's current.

**Adopt a Topic List-** (You will become an expert on this topic this year, so pick an interesting topic. If there is a topic that isn't listed here that you think would fit the bill, let me know.)

First come first serve on choosing topics. Please email me at [lancepowell@yahoo.com](mailto:lancepowell@yahoo.com) and sign up for a few topics that you would be interested in following and we'll get you assigned a topic right away.

Soil Erosion  
**Water Rights**  
Water Pollution  
Air Pollution  
Acid Rain  
Plastic  
Agriculture  
Pest Management  
Solar Energy  
Wind Energy  
Biofuel  
Coal  
Natural Gas and Fracking  
Petroleum/Oil  
Public Land Use  
Mining of Minerals (not fuel)  
Endangered Species  
Environmental Laws & Regulation  
Drinking Water  
Solid Waste Management  
Ecotourism  
Climate Change  
Environmental Friendly Technology  
Dams  
Power Plants  
Transportation  
Sustainable Development  
Genetic Engineering/Biotechnology  
Nuclear Power  
Population Growth  
Invasive Species  
Biodiversity  
Fisheries  
Food Production, Distribution  
Environmental related disease  
Corn  
Wetland Restoration  
Environmental Clean Up  
Use of Recycled Water  
Waste Water Treatment  
Algae Blooms, Eutrophication  
Environmental Justice

**See sample posted in schoology- click on Adopt-A-Topic assignment and you will see it there. Definitely do this so you get the formatting right the first time.**

**5. Math Review-** Posted in schoology. Please keep your math skills sharp. This will be due the first week of school- must be done in hand on the worksheet provided.