

## AP Environmental Science Summer Assignment

### A Brief Note:

The textbook we will be using for AP Environmental Science is the AP Edition of Environment: The Science Behind the Stories by Jay Withgott and Scott Brennan, with Mastering Environmental Science. If you took Physics with Dr. Kuhn, you may be familiar with the "Mastering" online resources. It is essential that you get this version of the book, since there will be online tutorials and homework assignments. Therefore, it is strongly recommended that you use the website [www.pearsonprivateschools.com](http://www.pearsonprivateschools.com) to purchase your book so you can be sure you are getting the version with the "Mastering" **code**. Please see the school's website about textbooks for more information on this, or contact me (tcunha@gfacademy.org) or Ms. Haswell (thaswell@gfacademy.org), the science department chair.

As for the assignment...

First off, please read chapters 1, 6 and 7 of the book on Environmentalism, Environmental History and Economics. There will be a short test on this material the week of September 19<sup>th</sup>; date will vary depending on your section. Not only will this help me assess where people are in their test-taking and preparation, but we have an early date for the AP Environmental Science (AP ES) exam this year and must get down to work immediately, if not sooner! I strongly recommend you review <http://home.lcusd.net/lchs/mewoldsen/APES/Unit13/apemathreview.pdf> for the types of math you will need to use on the AP exam (some of which will be on the first test).

The other portion of your assignment involves reading articles relevant to the study of the environment. This assignment is due the first day of school: September 6, 2011. It should be printed out before you come to class. The first paper is worth 10 points, with each of the subsequent article summary/reaction worth 5 points, for a total of 60 points. That's the same as a formal lab report, so please take advantage of your time this summer to start off the year with an easy A.

The first article one that everyone will read- [Saving energy and its cost](#) -and write a reaction paper with the following guidelines.

- First paragraph should address the difference between "command-and-control" regulation versus market-driven regulation.
- The next paragraph should address the role of public education in the issue, using the broadest sense of what constitutes education.
- In the last paragraph, please explain what we mean by the "carrot and stick" approach to changing people's behaviors and give some examples of "carrots" and "sticks" with respect to environmental issues.

Finally, please find articles about each of the following topics and write a summary and opinion/reaction for it. You should include a link to the article and the written portion should be about 1 page long at 1.5 spaces (longer is acceptable, especially if you want to double space it, instead). You are expected to spend about an hour on each topic. Articles should be no older than 6 months old.

Please keep in mind the position of the person writing the article, and discuss any source of bias on the author's part. You may choose a blog or company website, but then the issue of bias is of greater importance. Wikipedia pages are not appropriate for this. Good sources include NPR, The New York Times, the BBC, The Economist, National Geographic, etc. You may watch a TED talk, but be careful to treat it as a blog.

The topics include:

- Species Conservation
- Availability of drinking water
- Water Pollution
- Air Pollution
- Agriculture
- Mining
- Nonrenewable Energy Sources
- Climate Change
- Environmental Legislation
- Human Health

Finally, please feel free to contact me over the summer with any questions about the assignment, the textbook, review books you might want to purchase, etc. Bear in mind that I will be on maternity leave through the first few weeks of school, so I may not be at the school during pre-season as I usually would be. However, if I am and you see me, feel free to ask me then.

See you in September!

Sincerely,  
Mrs. Cunha