



AP Environmental Science (APES) 2015-2016
Woodside High School
Summer Assignment

Part I. Access your seq.org e-mail account, set it up for forwarding and email me. 10 pts. Due June 6th.

Set your seq.org email to automatically forward your e-mail to the e-mail address you check most regularly. To set up forwarding: choose the settings button – a wheel like button near the upper right of the mail page. Once the settings page comes up click on “Forwarding and POP/IMAP”. That page will allow you to enable forwarding to another address. Once you have done this please send an email to aakey@seq.org to let me know that you have completed this part of the assignment.

Part II Check out Dr. Art’s Guide to Planet Earth and Environment: The Science behind the Stories (Withgott & Brennan) from the library before leaving for the summer

Part III Summer reading/Review of basic science content. (50 pts) Environmental Science is an interdisciplinary field. As students come into APES with different science backgrounds I want to make sure that everyone has some basic content knowledge in earth science, chemistry, biology and physics that we can build on. Read Dr. Art’s book and Chapter 4 in Withgott and Brennan. I expect that the content will be mostly review for you. It is background that I assume you will have when we meet together in the fall. Pay particular attention to reviewing photosynthesis and respiration, the carbon cycle, the laws of thermodynamics, the electromagnetic spectrum and feedback loops. Remember that there is a difference between understanding something when you read it and truly knowing it. I will email a practice test on this material during the summer (please remember to check your email). There will be a test on the summer reading within the first two weeks of class.

Part IV. APES Scrapbook (50 pts)

Purpose: One of the important goals of science education is to learn how to make good decisions about public issues. What you will be studying next year in APES tends to be in the news on a regular basis. This exercise is intended to get you thinking about course content and how it is tied to current issues.

The Assignment: You must collect and summarize 7 newspaper articles. Each selected article must be about or related to some aspect of environmental science- at least one for each of the 7 sections of the AP Environmental Science course outline (<http://apcentral.collegeboard.com/apc/public/repository/ap-environmental-science-course-description.pdf> on pages 6-9). Articles must be at least 500 words and selected from reliable news sources. The articles must be published during the summer. Please read over the following criteria carefully:

- You will not receive credit for articles that are not published during the summer.
- Only news articles will be counted for credit – *not* web pages, blogs, or encyclopedia entries.
- If you are using the Internet, do not print articles more than 2 pages long. (It’s a waste of paper and it probably isn’t an appropriate article for this assignment).
- Conserve paper! Don’t print ads. Before you print a news article off the Internet choose the “printer-friendly” or “print version” button. This will save you wasting ink and paper on printing advertisements. It will also make it less likely that text will be cut off during printing. If this is not an option - copy and paste the article into a word-processing program. Be sure to include the source and date of the article if you do this. Please print on both sides of the paper (or print on scratch paper) and do not print in color.
- Each article must have the date and source of the article (neatly written or typed) in the upper right hand corner.
- Write an abstract between 50 and 75 words in length containing the essential elements of each article (think: who, what, why, where, when, how). Your abstract should be able to stand on its own; it should make sense to someone who has not read the article.
- Please don’t bother making an ornamental scrapbook out of this. Merely stapling the articles together with the summaries will suffice.

Part V APES Summer pictures (15 pts)

Take 7 pictures of yourself this summer -- each one in a setting that relates to one of the seven sections on the course outline. You must be in each picture and you must mimic a non-human primate in expression, action or with a prop. For example, for the section on Land and Water Use you might take a picture of yourself in a forest, on a farm or in a state park. Upload the photos into a Google Presentation that we can share in class.

Due dates: The scrapbook and Google presentation are due the first day of class. There will be a test on the summer reading within the first two weeks of class.

Please e-mail me if you have questions.

Best wishes for a fun and re-energizing summer!