

AP Environmental Science Summer Assignment 2020-2021 Ms. Poovathoor, csmathews@philasd.org

Welcome to AP Environmental Science (APES) The following information will help you complete your summer assignment. The purpose of the assignment is to help you prepare for the course. It will give the background information you need to be successful. Please complete the work as soon as possible so that there are no last minute problems. This assignment is a major grade for the first quarter and is due the first day of class. The following information is provided to help you understand the course guidelines and expectations.

AP Environmental Science Course Objectives AP Environmental science course is to provide students with the scientific principles, concepts, and methodologies required to:

- a. understand the interrelationships of the natural world
- b. identify and analyze environmental problems both natural and human made
- c. evaluate the relative risks associated with these problems
- d. examine alternative solutions for resolving and/or preventing them.

Course at a Glance This is an outline of the topics we must cover before the AP Exam in May.
https://docs.google.com/document/d/1RZbchaeQdyutKI8u0_o90AOCH-PZN-xPt1DJLFLQliok/edit

Textbook Living in the Environment, 16th edition, G.Tyler Miller
http://www.mtcarmelacademy.net/uploads/1/1/7/5/11752808/living_in_the_environment_16th_edition_-_miller.pdf

AP Central This is information from College Board about our AP Course.
<https://apstudents.collegeboard.org/courses/ap-environmental-science>

Book Companion Site Contains a summary of the chapter, flashcards, vocabulary list. Use the electronic flashcards to review the many vocabulary words in Chapter 1 and 3
https://www.cengage.com/cgi-wadsworth/course_products_wp.pl?fid=M20b&product_isbn_issn=9780495556718&discipline_number=22

Bozeman Science APES By the end of the year, we should have viewed every video, either as an official assignment or to study on your own. Big Idea 2: The Living World These videos will help you understand the summer work content better. Episodes 7-11
<http://www.bozemanscience.com/ap-environmental-science>

Summer Assignment Information Part 1 1. Email me at csmathews@philasd.org if

you have not been added to the Google

Classroom for our AP class for the Summer. 2. Log into the Google Classroom: Summer AP Environmental Science and be sure to

check it periodically. 3. Use the link below for you to assess the PDF version of our textbook. 4. **Textbook:** Living in the Environment, 16th edition, G.Tyler Miller

http://www.mtcarmelacademy.net/uploads/1/1/7/5/11752808/living_in_the_environment_16th_edition_-_miller.pdf 5. Textbook:

a. Read Chapter 1, pages 5-27 b. Read Chapter 3, pages 50-76 6. Answer the following for Chapter 1 and 3 (found on pages 25 and 74/75 in the PDF of the textbook). The questions are pasted at the end of this document from the online textbook. 7. Answers must be handwritten and photos of your completed work can be taken and

submitted in google classroom. If you want to check if your answers are thorough enough, complete a couple of the questions and submit them to me and I can advise you if you are on the right track. 8. Your work must be handwritten, not typed, in order to help you understand the material

the best way possible. 9. When answering the questions, be sure to answer all parts of the question. Be sure to define all the words in bold as you answer each question. Additionally, add details that will provide a thorough explanation of the question or content covered. Do not just simply answer the questions, grades will be determined by the amount of details you add to properly cover the content that is covered in the question. 10. For example, Question #9 for Chapter 3 about cycles. Be sure to describe each of the

cycles, the steps involved, importance and the effect that humans have on each cycle. Each question may take you a whole page to answer so do not be surprised of how much you end up writing. 11. The purpose of these questions is to aid in your notetaking of the textbook and help you

focus on the important concepts that are covered in each chapter. 12. These notes will help you in the assessments that you will have for both of those

chapters when we begin school.

13. This assignment is worth 2 quiz grades so they will have a great effort on your grade for

the first quarter. 14. The amount of work required to complete each chapter and each assignment is required in order to prepare you for the AP Exam in May in order for you to receive college credits while you are still in high school. 15. Additional resources above

have been provided to help you understand the content

better. If you are having difficulty with a particular concept, please check out the links of reliable online resources that we will also be using in class.

Part 2 1. Write a formal letter introducing yourself and provide some important details about your

life. (Yes, this is also part of your grade) 2. The purpose of this activity is for me to understand you better and help you become

more successful in class. 3.

Components of your letter

a. Aside from school, what do you like to do (hobbies, sports, music, interests, etc.)? b. Do you have a job? If so, tell me about your job - what you do, do you enjoy it?

What is the most (or least) enjoyable thing about your job? How is it going to prepare you for the future? (hint-there is a positive answer to this question regardless of the job) c. Tell me a little bit about your family (Parents/Guardian? Siblings? Pets?) What do

your parents do for a living? d. What previous science classes have you taken? Did you enjoy them? Who were

your teachers, and what grades did you get? e. What was the last book you read for fun or your favorite book and why it was

your favorite? Give a short description of what it was about. f. What are you looking forward to the most in APES? g. What are you most anxious about in APES? h. What are your future education goals?(College, career, etc) i. Why are you taking APES? j. Other information that is important to you to share with your teacher to help you

be successful in class and help you become a better prepared student.

Contact Information If you have any questions about the course or the summer assignment, please contact me as soon as possible.

1. School District Email: csmathews@philasd.org 2. Send a message through our Summer Google Classroom site. 3. You may submit your assignments in Google Classroom.

Chapter 1 Questions, (Textbook Pages 5-27, PDF Pages 30-52)

Chapter 3 Questions (Textbook pages 50-76, PDF pages 75-101)