

# 2018 AP Environmental Science Summer Assignments

Welcome to AP Environmental Science (APES)! I am so excited for next year, and I hope you are too! AP Environmental Science is an academic course designed to examine ecological, biological, chemical, physical and geological concepts and interactions... it is perhaps the most relevant course you will take in your high school career!



The purpose of this summer assignment is three-fold. First, it will help you become aware of the environment and many of the ongoing concerns related to it. Second, it will help us to cover the information required for the AP exam next May. Third, it will hopefully inspire you so that you come ready to learn about all of the great topics we'll cover next year. If you have any questions about this work over the summer, please feel free to email me, but give me a few days leeway to get back to you! Thanks in advance for the time you put in and know that I'm picking the most important things for you to work on since I want you to have plenty of time to enjoy summer too!

*\*Just a quick note: In our effort to be environmentally conscious this year, I will be inviting you to hand in many assignments via ETUSD (unless I specifically advise otherwise). In addition, do your best to double side your work and use the smallest practical margins and fonts anywhere from 10-12 pt. Let's start making a difference now! - Ms. Hecht*

## Part One:

**ETUSD Login and Forum Post:** I assume if you are reading this document you were able to successfully log onto eTUSD 😊. Find the "Introductions" forum on the "Summer Assignments" tab. You'll be working a lot together throughout the year so introduce yourself by answering a few basic questions!

## Part Two:

**Supplies:** Please obtain the following materials *(these are recommended but NOT required)*:

- Notebook with at least 100 pages (spiral or composition) - If it has less than 100 pages, you will need to buy 2 notebooks\* *(please buy sustainable or recycled if possible!)*
- At least 1 package of pens and/or pencils for use during class/labs
- 1 package of graph paper
- Highlighters (at least 2 colors)
- 2 packages of sticky notes (post-its)
- Metric Ruler
- AP Environmental Science Exam Prep Book - Choose one you like. There's a bunch.

Also, I check my email pretty regularly, but the easiest and fastest way to get ahold of me is via the Remind app. I HIGHLY RECOMMEND that you sign up for the Remind app too. Use the instructions to the right to sign up or click this [link](#).

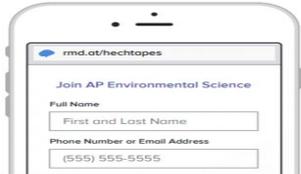
Pick a way to receive messages for AP Environmental Science:

**A** If you have a smartphone, get push notifications.

On your iPhone or Android phone, open your web browser and go to the following link:

[rmd.at/hechtapes](http://rmd.at/hechtapes)

Follow the instructions to sign up for Remind. You'll be prompted to download the mobile app.



**B** If you don't have a smartphone, get text notifications.

Text the message @hechtapes to the number 81010.

If you're having trouble with 81010, try texting @hechtapes to (808) 369-9580.

\* Standard text message rates apply.



<p><b>Part Three:</b></p>	<p><b>Summer Reading:</b> Check out the following textbook - “<i>Living in the Environment</i>” by Miller and Spoolman. <b><u>THESE ARE THE ONLY DAYS YOU MAY CHECK OUT THE BOOK:</u></b></p> <ul style="list-style-type: none"> <li>• Thursday, June 21st from 1:45pm – 3pm in IH 13 &amp; 14</li> <li>• Friday, June 22nd from 8am-11am in IH 13 &amp; 14</li> </ul> <p><b>Read and take handwritten notes on Chapters 1 and 2. YOU WILL HAVE A QUIZ DURING THE FIRST WEEK OF SCHOOL!</b> I will not collect your notes! I will grade your notes with the quiz. <u>ONLY</u> handwritten notes in a notebook can be used on the quiz!</p> <p>Student take notes in many different ways, so here’s my suggestion... <b><u>DON’T JUST COPY FROM THE BOOK! THAT ISN’T LEARNING!</u></b></p> <ul style="list-style-type: none"> <li>★ Read each section and take notes on the big ideas... give examples where possible!!</li> <li>★ Don’t skip chapter introductions, side-bars, consider this connections &amp; case studies!</li> <li>★ Consider looking at the Chapter Review at the end of each chapter as a note-taking guide. The questions seem to cover most of the major concepts in the chapter.</li> <li>★ In Chapter 2 CORE CASE STUDY, make sure you understand the controlled experiment: what was the control group and the experimental group? What was the independent/dependent variables? What data was collected?</li> </ul>
<p><b>Part Four:</b></p>	<p><b>Summer Math Review (25 points):</b> No calculators are allowed on the AP Environmental Exam. As crazy as this sounds, it is TRUE! That means that you need to be able to do the math required for this course using only paper and pencil. By reviewing the math skills needed for APES, you will be well on your way to a successful year. <b>This assignment should be printed out (just the answer document with work shown) and turned in on the first day of school, September 6, 2018.</b></p>
<p><b>Part Five:</b></p>	<p><b>You Choose Assignment (25 points):</b> You have two options for this assignment... You only need to do ONE of these options (but feel free to do both!)</p> <ol style="list-style-type: none"> <li><b>Spend a night with nature (No more than 2 pages):</b> The idea here is to get back to your simpler roots. If you don't normally camp, find somewhere local (<a href="#">Hopkins Wilderness Park</a>) or pitch a tent in your backyard. I only ask that you leave the electronics at home (<i>you need to take pictures, so maybe bring your phone</i>). Happy Camping!       <ol style="list-style-type: none"> <li>Record the date, time, and location of your trip and some information about what types of things you observed (2 - 3 paragraphs):           <ul style="list-style-type: none"> <li>○ Flora (plants) and fauna (animals) - you don't need scientific names for these organisms (unless you know them) but describe them as best you can! Include pictures or drawings if possible.</li> <li>○ Geology (rocks, soil, etc...) - how many different kinds of rocks do you see? Are they layered? Smooth? Pictures and/or drawings should be included!</li> </ul> </li> <li>Write 1 paragraph for each of the following questions:           <ul style="list-style-type: none"> <li>○ What questions did you wonder as you observed the world around you?</li> <li>○ What kinds of human impacts did you notice in the area?</li> <li>○ Did you enjoy camping? Why or why? Would you go camping again?</li> </ul> </li> </ol> </li> </ol>

- II. **Watch 2 documentaries and write a paper (no more than 1 page for each):** The idea here is to familiarize yourself with environmental issues. If you choose this option, you need to watch 2 documentaries and answer the following questions:
- A. Provide the of the documentary and the year that it was released.
  - B. As you watch the video, list 5-10 interesting facts you learn THROUGHOUT the video (not just the first 20 minutes!!)
  - C. What questions do you have as a result of viewing this documentary? (3 questions minimum)
  - D. What is your opinion of the documentary? Positive? Negative? Neutral? Reference parts of the documentary that made you feel this way.

Here's the list of documentaries you can choose from (all movies with this symbol \*\* are on Netflix). *If there's a documentary you want to watch that is not on the list, email me first before you watch it!*

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|---|--|
| <input type="checkbox"/> <a href="#">Home</a> (not the cartoon!)                        | <input type="checkbox"/> Vanishing of the Bees                 |
| <input type="checkbox"/> National Geographic: Six Degrees that Could Change the World** | <input type="checkbox"/> Hungry for Change**                   |
| <input type="checkbox"/> Food, Inc.**   | <input type="checkbox"/> Racing Extinction (available on Hulu) |
| <input type="checkbox"/> Who Killed the Electric Car?                                   | <input type="checkbox"/> A Plastic Ocean**                     |
| <input type="checkbox"/> Revenge of the Electric Car                                    | <input type="checkbox"/> Before the Flood**                    |
| <input type="checkbox"/> Blackfish**  | <input type="checkbox"/> Chasing Coral**                       |
|   | <input type="checkbox"/> An Inconvenient Truth                 |

**Help!** If you are confused, lost, troubled, puzzled, perplexed, mystified, worried, bothered bewildered or bamboozled in any way, contact me by e-mail over the summer and I can help you find your way. **TRY NOT TO WAIT UNTIL THE LAST WEEK BEFORE SCHOOL STARTS.** I'll be busy and might not have time to help!