



AP Environmental Science Summer Assignments

One of the challenges of AP Environmental Science is the amount of content and vocabulary we must cover. Since we have so much to do in preparation for the AP exam, you'll need to dive right in.

If you're enrolled for AP Environmental Science next year, do this right now: You must join the Google Classroom to access and submit the AP Environmental Science Summer Homework. You **must** use your @seq.org email. You can click [this link](#), or you can log into classroom.google.com, click Join Class, and use **this access code: [osd2k4o](#)**

Recommended: Buy a 2020 or newer AP Exam Test Prep book. The test was redesigned in 2020, so any test prep books published before 2020 will not be using the most up-to-date standards for the test. Two suggestions are [Barron's](#) and [Princeton](#). You may also check out a copy of the class textbook, *Environment: The Science Behind the Stories*, by Withgott & Brennan from the library during the summer between 8:30am and 12:30pm.

Summer Assignment List

1. **Physics Review.** Physics concepts, such as convection and radiation, electricity and power, kinetic and potential energy, and laws of thermodynamics come up in discussions of ecology, earth systems, and energy use. **This is required even if you already took physics.** This activity will take approximately 45 minutes. The link to join the Pear Deck assignment is on Google Classroom.
Recommended deadline: June 13, 2025
2. **Chemistry Review.** Basic chemistry concepts covered throughout the course include acids and bases, combustion reactions, chemical formulas and equations, biogeochemical cycles, water quality, and environmental toxicity. **This is required even if you already took chemistry.** This activity will take approximately 45 minutes. The link to join the Pear Deck assignment is on Google Classroom.
Recommended deadline: June 20, 2025
3. **Algebra Review.** Algebra shows up in several forms in AP Environmental Science, including graphing and interpreting data, unit conversion and dimensional analysis, and ratios and proportions. This activity will take approximately 60 minutes and will review these concepts. The link to join the Pear Deck assignment is on Google Classroom.
Recommended deadline: June 27, 2025
4. **Video Assignments.** You must join the Google Classroom to be able to access the video assignments. These will focus on basic environmental concepts, case studies, and current events. This assignment will take approximately an hour.
Recommended deadline: July 4, 2025

5. **Notes on Environmental Laws and Regulations.** Complete the reading (linked [here](#)) and take **handwritten** notes. Take a picture of your notes and upload them to Google Classroom. We will be having a test on these in the first week of class.
Recommended deadline: July 11, 2025
6. **Notes on Sustainability.** Read Chapters 1 and 2 of the textbook (the digital version is linked on Google Classroom, or you can check out a copy of the textbook from the library). Upload a picture of your **handwritten** notes to Google Classroom. You will have a test on these in the first week of class.
Recommended deadline: July 18, 2025
7. **Earth Systems — Vocabulary Flashcards.** All flashcards must be handwritten and include the word and definition. It is highly recommended to add an example when applicable, as well. The vocabulary list can be accessed on the first page [here](#). Turn in a picture of your flashcards on Google Classroom.
Recommended deadline: July 25, 2025
8. **Ecology and Biodiversity — Vocabulary Flashcards.** All flashcards must be handwritten and include the word and definition. It is highly recommended to add an example when applicable, as well. The vocabulary list can be accessed on the second page [here](#). Turn in a picture of your flashcards on Google Classroom.
Recommended deadline: August 1, 2025
9. **Summer Assignment Survey.** This will be linked on Google Classroom.
Recommended deadline: August 8, 2025
10. **Study for the Week 1 Test.** This class will move quickly. You will have a test in the first couple of days of school. The test will focus on the content from your summer homework assignments, including environmental laws, sustainability, and basic physics and chemistry concepts.
Recommended deadline: August 13, 2025

PLEASE EMAIL IF YOU HAVE ANY QUESTIONS: APESteachers@seq.org

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