

Welcome and thank you for joining me on this journey into AP Environmental Science (APES)!

There is much to learn and summer work is required. This set of papers includes assignments that will be scored once the school year 2024 - 25 gets underway.

Assignment guidelines:

- Unless otherwise noted, all assignments should be typed, double spaced, Times New Roman font (12p), 1" margins.
- Work submitted electronically needs to include **your name and assignment title** as part of the file name; this facilitates organization and grading on my end. Thanks.
- Please do not cut and paste information from other sources, particularly the Laws and Treaties section. Use your own words. **Plagiarism will not be tolerated.**

The following is work to be done by our first class meeting. Each will be scored as

1. **(Formative Assessment) Send me a "Letter of Introduction" (aim for 1 page, Word doc email attachment)** including, but not limited to:
 - a. Your full name and what you prefer to be called.
 - b. Who you are and what are your interests?
 - c. Why are you taking APES?
 - d. What are your previous and concurrent math and science courses?
 - e. What are your college and career aspirations?
 - f. Anything else you think I should know – hobbies, family, sports, clubs, etc.
2. **(Performance Assessment) Prevent NDD (nature deficit disorder).** I challenge you to reduce your NDD by getting outside, examine your environs and relate your observations to an audience. You are to **select one** of the following options as a product to report your findings:
 - Collect images of your habitats, of the often-over-looked parts too. The images must be captioned and your original work. 10 to 15 images, at least 7/10 or 11/15 must be of the outdoors.
 - Create your own glossary of nouns, verbs, and adjectives of your habits and habitats. Again, 10 to 15 terms with part of speech and definition; at least 7/10 or 11/15 relating to the outdoors.
 - Develop a public service announcement (PSA) or information campaign to help others deepen their appreciation for the value of natural capital, or to care for our natural resources. The final product must be 10 – 15 slides in Power Point or another presentation format – OR – a 3 to 5-minute video or recorded performance.

3. (Homework Assignment) Laws and Treaties – A summary of each listed Law or Treaty

Make a summary table or spreadsheet of each of the following Laws and Treaties, to include:

- Name of Law or Treaty
- Year Enacted; Year Amended, if applicable
- International or American?
- Describe the function or intent of the law (what is it intended to do?)
- Name the Agency or Group responsible for regulation and enforcement – (i.e. U.N., Department of Interior, EPA, etc.)

List of Laws and Treaties applicable to APES (not a complete list)	
<ol style="list-style-type: none"> Convention on International Trade in Endangered Species (CITES) Kyoto Protocol Law of the Sea Convention (LOSC) Madrid Protocol The Montreal Protocol on Substances that Deplete the Ozone Layer Ocean Dumping Act (ODA) Rio Earth Summit Stockholm Declaration Clean Air Acts (U.S.) Clean Water Acts (U.S.) Comprehensive Environmental Response, Compensation Liability Act (CERCLA) Emergency Planning & Community Right-To-Know Act (EPCRA) Endangered Species Act Energy Policy Act Federal Food, Drug, and Cosmetic Act (FFDCA) Federal Insecticide, Fungicide and Rodenticide Act (FIFRA) 	<ol style="list-style-type: none"> Federal Water Pollution Control Act Food Quality Protection Act Hardrock Mining and Reclamation Act Lacey Act Migratory Bird Hunting Stamp Act National Appliance Energy Act National Environmental Policy Act (NEPA) National Park Act National Wildlife Refuge System Act Nuclear Waste Policy Act Occupational Safety and Health Act (OSHA) Oil Pollution Act Resource Conservation and Recovery Act (RCRA) Safe Drinking Water Act (SDWA) Superfund Amendments and Reauthorization Act (SARA) Surface Mining Control and Reclamation Act (SMCRA) Taylor Grazing Act Toxic Substances Control Act Wild and Scenic Rivers Act Wilderness Act

Non-graded but highly recommended →

Check Quizlet for a good start: <https://quizlet.com/9380200/ap-environmental-science-laws-and-regulations-flash-cards/>

4. Visit, review and bookmark the [AP Central Environmental Science Course](#) website (about 20 minutes).

This is the organization that sets the standards for AP courses. We will adhere to the standards set by AP so that your work will best prepare you for the AP exam.

5. Review the information in the “Prerequisite Knowledge and Skills” document. *Expect a quiz on this material during the first week of class.* Hopefully most of the terms and ideas will be familiar. Attempt all of the math problems at the end.

Again – please don’t wait until the last moment to do these assignments. You will have to invest a significant chunk of time to get them all done. These are expected within the first week of school.

I hope you will have a relaxing, fulfilling summer. See you at the end of August!

Mr. Carlough