

AP Environmental Science Summer Assignments

2025-26

Required (due 8/29/25, deadline 9/8/25) Estimated time, 2-3hrs

- **PA: Biology Basics**

- Review the [slides linked here](#). The material in this slide deck was covered in biology courses and often in middle schools. You are not required to take notes, however, if you are struggling to recall these biology concepts you may want to take notes to refer to later in the course.
- After reviewing the slides, make a [copy of this digital handout](#) and complete it. You will be submitting this work on canvas once our course page is published in August.

If you have any questions about the course or required assignments, please contact Stacey.M.Boccher@mcpsmd.net

Additional Review Activities (Optional)

A strong knowledge of biology is recommended for this course. Our first semester includes a lot of biology topics. In addition to the required Nearpod described above, you can use the following CK12 links to review biology content that is especially important for AP Enviro.

- [2.21 Photosynthesis](#)
- [2.30 Anaerobic and Aerobic Respiration](#)
- [6.1 Ecosystems](#)
- [6.2 Energy Flow](#)
- [6.3 Food Chain](#)
- [6.4 Trophic Level](#)
- [6.5 Water Cycle](#)
- [6.6 Carbon Cycle](#)
- [6.7 Nitrogen Cycle](#)
- [6.15 Symbiosis](#)
- [6.16 Succession](#)
- [6.17 Populations](#)
- [6.24 Biodiversity](#)
- [6.25 Importance of Biodiversity](#)
- [5.21 Natural Selection](#)

Enrichment Activities (Optional)

Below are some possible enrichment opportunities for those with an interest in environmental science! See the lists below for films and books to consider adding to your watch/read list as well as some volunteer opportunities you might use for SSL hours. Enjoy!

- **Environmental Films.** Many are available on Amazon Prime, Netflix, or YouTube as well as in hard copy at local libraries. Click the links to learn more about the films.
 - [Before the Flood](#)
 - [Racing Extinction](#)
 - [Food Inc](#)
 - [Cowspiracy](#)

- [Eating our Way to Extinction](#)
- [2040](#)
- [Our Planet](#)
- [Chasing Ice](#)
- [Chasing Coral](#)
- [A Plastic Ocean](#)

● **Recreational Reading** *Click the links to see what each book is about.*

- [“Silent Spring”](#) by Rachel Carson
- [“This Changes Everything, Capitalism vs Climate”](#) by Naomi Klein
- [“The Sixth Extinction: An Unnatural History”](#) by Elizabeth Kolbert
- [“Where the Wild Things Were”](#) by William Stolzenburg
- [“Diet for a Hot Planet”](#) by Anna Lappé
- [“All We Can Save: Truth, Courage, and Solutions for the Climate Crisis”](#) by Ayana Elizabeth Johnson
- [“Clean and White: A History of Environmental Racism in the United States”](#) by Carl Zimring
- [“Waste: One Woman’s Fight Against America’s Dirty Secret”](#) by Catherine Coleman Flowers
- [“Braiding Sweetgrass: Indigenous Wisdom, Scientific Knowledge, and the Teachings of Plants”](#) by Robin Wall Kimmerer
- [“Dumping in Dixie: Race, Class, and Environmental Quality”](#) by Robert Bullard
- [“Superman’s Not Coming: Our National Water Crisis and What We the People Can Do About It”](#) by Erin Brockovich

● **Volunteer Opportunities**

- Multiple opportunities with the Chesapeake Bay foundation including stream restoration, oyster restoration, and farm work at Clagett Farm.
<https://www.cbf.org/about-cbf/locations/maryland/offices/annapolis/volunteer.html>
- Opportunities for Invasive Species Plant Removal
<https://www.sierraclub.org/maryland/invasive-outings-montgomery>
- Visit the Maryland Department of Environment’s website linked below for a list of volunteer opportunities by county
https://mde.maryland.gov/programs/marylander/pages/volunteer_opps.aspx