

**Teaching AP Environmental Science**  
**July 10th-13th, 2018 – West Virginia APSI, Charleston, WV**  
**Instructor: Hilary Staples**

The AP workshop will provide an overview of the course and the examination. Teachers will do activities and labs provided as samples of curriculum for the class. Participants will discuss best practices for creating, planning, and pacing an APES course. In addition, tips and strategies for greater success on the AP Exam will be shared.

- All resources such as vocabulary lists, lesson plans, labs and FRQs will be shared using a Google folder. So please BOD (Bring own device).
- Once the group needs are assessed the agenda may shift to best serve our group.

**DAY 1: Times they are a changing...8:00 A.M. – 4:30 P.M**

- Sign in and Introductions
- Sample textbooks
- What is the plan- flexibility in plan
- Overview of subjects and Science Practices that guide the course.
- AP CENTRAL COURSE  
PAGE: [http://apcentral.collegeboard.com/apc/public/courses/teachers\\_corner/2128.html](http://apcentral.collegeboard.com/apc/public/courses/teachers_corner/2128.html)
- Brainstorm current events with topics- ways to assign.
- Ways to do Math practice- do an example
- Ecosystem project/ Country project ideas
- Biome Vacation game
- Debates and case studies
- Field trips in your area
- Commons lab
- Unraveling Air pollution connections and misconceptions
- Air labs
- Climate Change and Albedo Lab
- Wedge Activity
- Game of Floods

**DAY 2: Your so Earthy: 8:00 A.M. – 4:30 P.M**

- **The AP exam** - how to prepare students and improve scores
  - Multiple choice-types of questions, strategies
  - FRQ- work through 2 FRQs from previous year.
    - Strategies for students
    - Strategies for teachers
    - Consider becoming a reader!
    - Organize carpools for water “field trip”

- Geology activities
- Soil Lab
- Citizen science
- Cookie Mining Lab
- Seed germination lab
- Energy Project

**DAY 3: Water runs through it: 8:00 A.M. – 4:30 P.M**

- Discuss ways to teach: Single unit, at resource and then pollution, as a theme throughout the year.
  - Water FRQ discussion
  - Case Studies- jigsaw
  - Dam Debate options
  - Water testing lab
  - FRQ about water
- Field trip
  - Water treatment plant tour

**DAY 4: 8:00 A.M. – 2:30 P.M**

**Writing your syllabus for the AP audit, planning out the year.**

- Review strategies
  - Have a share around. Include my list of active learning methods.
- Lab share:
  - Tag and Recapture
  - LD50 and SkinDeep website
  - Biomimicry activity
  - Green City
- Creating a Syllabus and the Audit process
- **Closing:** Final summary of the day
  - Student reflect on next steps
    - Make sure to have connections with other local teachers and AP Community:
    - <https://apcommunity.collegeboard.org/>
    - Raffle for extra lab items
    - Fill out course evaluations

**Graduate Credit:**

Those seeking graduate credit must complete an additional 15 hours. To complete the additional hours, participants must create a syllabus and unit plans.