



AP Environmental Science Course Syllabus

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School Vision & Mission: We, at Mililani High School envision a safe, nurturing learning community that guides and supports all its members in their efforts to become responsible, productive citizens.

Graduates of Mililani High School will be able to:

- 1) Think critically, independently, and compassionately about the world they live in
- 2) Produce quality products
- 3) Communicate ideas clearly and effectively
- 4) Use technology in a knowledgeable and ethical manner
- 5) Exhibit a responsible commitment to society.



Classroom Culture & Behavior Expectations: We are dedicated to building a classroom culture based on Nā Hopena A'o (HĀ), a framework of outcomes that reflects the DOE's core values and beliefs in action throughout the public educational system of Hawai'i. The core values include Belonging, Responsibility, Excellence, Aloha, Total-Well Being, and Hawai'i.

At all times (in person and virtually):

- Live Aloha & Embody the HĀ BREATH: Na Hopena A'o core values
- Follow school dress code
- Use appropriate and respectful language
- Be on time to class and check your school email and Google Classroom daily
- No submarine grades (*Below Sea "C" Level*) **Yaargh!** - Students with "under the C" grades will be required to attend virtual study hall
- No distractions (cell phones, side conversations or chats, watching TV, etc.)

Course Description: The AP Environmental Science course is designed to engage students with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography.

<u>Units:</u>	<u>Course Practices:</u>
<ul style="list-style-type: none">• Unit 1: The Living World: Ecosystems• Unit 2: The Living World: Biodiversity• Unit 3: Populations• Unit 4: Earth Systems & Resources• Unit 5: Land and Water Use• Unit 6: Energy Resources and Consumption• Unit 7: Atmospheric Pollution• Unit 8: Aquatic and Terrestrial Pollution• Unit 9: Global Change	<ul style="list-style-type: none">• Concept Explanation• Visual Representations• Text Analysis• Scientific Experiments• Data Analysis• Mathematical Routines• Environmental Solutions

Textbook: Environmental Science for AP Friedland & Relyea 2012

Grading Policy: Grades will be calculated based upon percentage of points earned.

- Quizzes and Tests: 25%

- Projects: 25%
- Notebook: Classwork & Homework (i.e. notes, chapter review questions, data analysis, labs, activities, etc): 25%
- Written Assignments (i.e. Lab Reports, Reflections, Essays): 25%

School Supplies: Pen, Pencil, folder paper, college ruled 100 page composition book (MANDATORY FOR CLASS!), access to the internet (i.e. Google Classroom, EdPuzzle, FlipGrid, YouTube).

***NOTE:** We will use learning platforms and chrome extensions including, but not limited to, EdPuzzle, Flipgrid, Pear Deck, and Insert Learning that students will access by signing in to with their school gmail accounts. These will help enhance student learning and our ability to assess learning in a blended learning environment.

Huaka'i*: Typically, there are a number of Huaka'i (field trips) associated with AP Environmental Science. The field trips are intended to enhance and elucidate concepts learned in class. APES students are expected to participate in 1 quarterly huaka'i. APES students are expected to talk to their other teachers and get work they will be missing BEFORE all field trips. *Off-campus huaka'i are postponed due to COVID-19

Academic Integrity: Although the activities we will do in this class requires us to work in groups, all students are capable of expressing thoughts and ideas in their own words. Sharing ideas in conversations within your group is perfectly acceptable. But, copying the work of other students and from other sources is PLAGIARISM. It is against the law and will not be tolerated. If students are suspected of plagiarism, ALL students involved will earn a zero for the assignment. See <http://www.plagiarism.org/> for detailed information about the seriousness of plagiarism.

Quarterly Exploration Projects: Each quarter you will be required to explore a topic in depth on your own. You may do so through one of the following ways: watching a documentary, reading an environmental science-related book, or participating in an environmental science-related activity in the community. You need to report on the documentary, book, or experience and how it relates to the APES units currently covered in class, in vlog form documenting evidence of your experience on Flipgrid. Please see the list of options you may choose from on the exploration project sheet.

Phone Policy: Phones can be useful tools in many ways but they can also become a distraction in class. Each day, unless otherwise instructed, students will be expected to keep phones in their backpacks with the ringer turned off during class time.

Homework, Absence, and Tardy Policy: Many assignments will be considered classwork and students will be given time during the day to complete these tasks. However, as an AP class, assignments and projects will often need to be worked on at home. If students need extended time to complete classwork, they may take notebooks home and return their notebooks the next day. All students are required to attend class daily and be present on time. To be excused, please refer to school policies in your planner. The teacher and student will agree upon a reasonable amount of time to complete the missed work. Students must make up labs within a week. If labs are not repeatable (i.e. dissection) students absent from class will be exempt from the assignment but still be required to have the notes associated with the assignment.

ACADEMIC ASSISTANCE: Additional help is always available! Please email or use the Remind app to make an appointment to meet virtually

Due Date: _____

Student: I have read and understand the requirements for this course and will follow the rules outlined above.

STUDENT NAME: _____ SIGNATURE: _____ DATE: _____

Parent/Guardian: I have read and understand the requirements for this course and will support my child to do his/her best by coming to class on time, prepared with supplies, making sure work gets done, and having a positive working attitude.

PARENT NAME: _____ PARENT SIGNATURE: _____

Parent Phone: _____ Parent Email: _____

_____ Please check if you would like to be invited as a guardian to Google Classroom to receive updates. We will use the email address provided.

Please circle which of the following you will be willing to donate to support our labs and hands-on activities:

____ Paper Towel Roll ____ Tissue Box ____ Wipes ____ Hand Sanitizer ____ Hand Soap

Comments/Questions: