

AP ENVIRONMENTAL SCIENCE

TOPICS COVERED

SEMESTER 1

UNIT 1: THE LIVING WORLD: ECOSYSTEMS

Explore a view of planet Earth as one system made up of regional ecosystems composed of interdependent environmental features, processes, and relationships between species.

UNIT 2: THE LIVING WORLD: BIODIVERSITY

The importance of biodiversity within ecosystems and the impact of outside factors on the evolution of organisms.

UNIT 3: POPULATIONS

Examine how populations within ecosystems change over time, and the factors that affect population growth.

UNIT 4: EARTH SYSTEMS AND RESOURCES

Natural components that make up the environment, from geologic features to the atmosphere and climate.

UNIT 5: LAND AND WATER USE

Examine how humans use and consume natural resources, and the ways in which we disrupt ecosystems, both positively and negatively.

SEMESTER 2

UNIT 6: ENERGY RESOURCES AND CONSUMPTION

Renewable and nonrenewable sources of energy, where they're used, and their impact on the environment.

UNIT 7: ATMOSPHERIC POLLUTION

Air pollution, including how human actions can cause it, and you'll analyze legislation intended to regulate emissions and improve air quality.

UNIT 8: AQUATIC AND TERRESTRIAL POLLUTION

Impact of pollution on ecosystems and learn how to determine its source.

UNIT 9: GLOBAL CHANGE

The global impact of local and regional human activities and evaluate and propose solutions.

ECOSYSTEM PROJECT

We are doing a year long investigation using an ecosystem that you design and build. The first semester is ensuring balance and self sufficiency. The second semester these systems will be subject to anthropogenic impacts as outlined in Unit 6-9

MR. HARPER: S106 - VMHS



Email:

pharper@murrieta.k12.ca.us

WELCOME TO APES!

I am very excited to meet all my students and we have an exciting year ahead of us. This class is what I call a big bucket of information and we have to connect the dots using that information.



MATERIALS

A computer with internet access, colored pencils, We have an online text book, that has great features including text to speech and flash cards. I also recommend an AP Exam book as a reference.

LAB MATERIALS DONATIONS

We are requesting a voluntary \$20 lab donation to provide supplies for our ongoing labs. The ecosystem project requires many things. Kids also need tissues. It can be paid through the trading post online or in person with cash at the bookkeeper

CANVAS

All course content and grades are available on Canvas. They are listed on the daily agenda. Please check canvas to see what has been missed. Contact the teacher with questions ASAP. Parents! Be sure to join canvas as an observer so you can get announcements and see grades

AP EXAM

Students are expected to take the AP Exam in Early May. It's an important part of completing this class. The earlier you start using a review book, the better. I like Princeton Review or Crash Course the most, but I will not be assigning one as a requirement.

AP ENVIRONMENTAL SCIENCE

CLASS LAYOUT

CLASS: LAB ACTIVITIES, FRQ's, DISCUSSION & REVIEW

We will do hands on activities in class as well as discussions on topics. These discussions are important and are designed to connect the "dots" for the students. We also do practice FRQ responses.

HOME WORK: VIDEO LECTURES & VOCABULARY

It is expected that student watch the video lecture at home so that are prepared for the discussion, FRQ and labs that we do in class.

CLASSROOM ETIQUETTE & NETIQUETTE

PHONES- All phones will be in the "Cell Hotel" during class time.

DEVICES – There are Chromebooks available in the classroom. Students should use those devices.

A.I. - Misuse of AI for cheating, plagiarism, or avoiding academic responsibilities is strictly prohibited. AI may be used for idea generation, tutoring, research, and feedback, but all submitted work must reflect the student's own understanding and effort.

STUDENT EXPECTATIONS

- USE APPROPRIATE LANGUAGE
- BE KIND WITH YOUR WORDS
- BE PRESENT! NO MUSIC OR TV IN BACKGROUND
- NO RECORDING OR SCREENSHOTS OF CLASSROOM CHATS
- BE RESPECTFUL
- BE A LEADER
- DO NOT USE ALL CAPS
- NO MEMES OR TIKTOKS
- BE PATIENT
- STAY ON TOPIC

PARTICIPATE IN CLASSROOM DISCUSSIONS STARTED BY TEACHERS ONLY!

ATTENDANCE

Students are expected to attend class. Students are responsible to complete all assignments, even if they miss class. All in class activities can be found on the Daily Agenda: with the blue dot.

If students are absent on a test day, they are expected to take the test immediately on return.

GRADES

40 % Assignments | 60% Assessment

ASSIGNMENTS 40%

Assignments will include, reading articles, completing lab investigations, watching lecture videos, writing free response questions and doing background research.

ASSESSMENTS 60%

Assessments will include weekly quizzes as well as any end of unit exams including multiple choice and free response questions.

LATE WORK POLICY

Students late work will be accepted, however there is a **10% per day penalty**.

QUIZ RETAKES OR MISSED QUIZZES

If a student scores below a 70% on a quiz, they will have the opportunity to complete a retake during office hours that week. **Must be done within 7 days**

****If you do not come in for retake, the grade stays.**

****The highest score they will receive on a retake is a 70%.**

THE GRADING SCALE:

Final Course Marks		
Mark	Low %	High %
A+	97.00	100.00
A	93.00	96.99
A-	90.00	92.99
B+	87.00	89.99
B	83.00	86.99
B-	80.00	82.99
C+	77.00	79.99
C	73.00	76.99
C-	70.00	72.99
D+	67.00	69.99
D	63.00	66.99