

AP / ECE ENVIRONMENTAL SCIENCE (ECE NRME 1000)

Ms. Lacross
Westhill High School
Ag. Sci. Room 12



Course Materials:

Textbook - Miller, G. Tyler. *Living in the Environment 15th Edition*. Brooks-Cole Publishing, NY: 2007

- Three Ring Binder—this will include all notes, handouts, and graded assignments to be organized into sections with tabs or in chronological order. The way you organize your notebook is your choice.
- Loose-leaf paper or a notebook for note taking.
- Pen or pencil—blue or black ink only.

Course Overview:

The goal of this Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems, both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Environmental Science is interdisciplinary; it embraces a wide variety of topics from different areas of study (e.g. biology, chemistry, earth science, geography, history, art and math).

Unit of Study

History of environmental science	Soil resources and pollution
Energy and nonrenewable energy	Toxicology
Biodiversity	Solid and hazardous waste
Climate	Agriculture
Biomes	Forestry
Human population	Endangered species
Air pollution	Renewable energy
Global warming	Environmental ethics
Ozone layer depletion	Environmental law
Water resources and pollution	Sustainability

AP Exam:

All students enrolled in this course will be expected to sit for the AP Environmental Science Exam in May 2015. Students taking this course should clearly understand that this course is designed to prepare students for the AP Environmental Science Exam. The date and cost for the AP Environmental Science Exam is **TBA**.

Course Specific Learning Goals:

The goal of this Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them.

Honesty:

Each member of the class has a responsibility to help maintain the honesty and integrity of this community. I expect that each one of you will be honest. This means doing your own work during tests, quizzes, homework, labs and activities. If you are having difficulty with any aspect of your work, please talk to me. Representing someone else's work as your own is the highest form of personal dishonesty and the very least will result in a zero for the assignment.

Assessments:

Assessments may include:

Tests Quizzes Activities Labs Projects Homework Classwork

Grading Policy:

I grade using a points system for each category of assignments. Each assignment will be assigned a total number of points. Your grade will be determined by adding up the points earned and dividing by the total points offered in each of the following categories:

Tests and Quizzes	40%
Labs/Projects	30%
Classwork	20%
Homework	10%

** If you are taking this course for ECE credit you need to take the final exam even if you are a senior and have an A. **

Tests: (EXAMS 40% of your quarter grade): Announced unit exams covering several chapters will make up a large portion of your grade. They will include multiple choice and essay questions.

- **Retaking tests will not be an option.**
- If you cut class the day of an exam you will not be given the opportunity to make up the exam.
- If you miss class because it is the first period of the day and you “sleep in” or for any other unexcused absence, this counts as a cut and there is no opportunity to take the test (just like in college).
- Be sure you are here for the exams!

Labs/ Projects: (30% of your quarter grade)

- All labs and projects are due at the beginning of the class period they are due.
- When conducting a lab you are expected to follow all lab safety rules.
 - There is absolutely no food or drink allowed.
 - Closed toed shoes **MUST** be worn for all labs.
- You are responsible for setting up and cleaning up your lab work area.
- There will be several labs conducted during the school year that you may work in a lab group to complete. Be sure to read over the procedure for the lab at least 2 times before you begin the lab. Use your class time wisely when working on a lab.
- If you miss a lab because of an excused absence you must make the lab up before or after school.
- Throughout the school year there will also be projects that will be assigned.

Classwork: (20% of your quarter grade):

- All assignments are to be turned in at the beginning of the class period they are due.
- Place into the designated folder in the front of the room.
- Assignments will not be accepted late (not one day, one period or 5 minutes late).
- If a student cuts, they will receive a zero for any work done or due on that day.
- Any work not made-up due to excused or legal absence will become a zero if not made up within one day of the absence (or in a timely manner as discussed with me).
- You are expected to come after school to view any films you miss!

Homework: (10% of your quarter grade): This course requires a large amount of time outside of class. It should be clearly understood that nightly study and preparation are necessary to achieve in AP/ECE Environmental Science. Homework is due at the beginning of class. Any work not made-up due to excused or legal absence will become a zero if not made up within one day of the absence (or in a timely manner as discussed with me).

Extra Help:

Extra help is always available. All you need to do is ask and we will figure out something. You can find me in Ag Rm 12 most of the school day or somewhere here in the Ag building. You can ask after class or contact me via email at placross@stamfordct.gov

Weebly:

This year I will be using weebly as an online platform to share information and class assignments with you. It is **your** responsibility to check my website for class information after class each day. You can access my website here: <http://learningbylacross.weebly.com> click on AP/ ECE Environmental Science at the top right of the page. Reminders and important information will be posted on the main Biotechnology page. All assignments and coursework will be posted on the AP/ECE Environmental blog page which can be found by hovering over AP/ECE Environmental on the upper right of the page.

Other:

Tardy / Leaving Early:

- If you are tardy to class you **MUST** sign in without causing an interruption and place your pass in the basket provided.
- If you are leaving early for any reason you **MUST** sign out
- School policy states:
 - Three tardies to class will be recorded as one absence.
 - One 20-minute tardy will be recorded as one absence
- It is **YOUR** responsibility to get **ANY** and **ALL** work that was missed. Please see make up procedures below

Absent Policy:

- School Policy States:
 - 3 tardies = 1 absence
 - 8 absences = **F** and possible appeal slip.
 - If a student cuts, they will receive a zero for any work done or due that day.
 - No appeals will be given for cuts!!!
- Excused absences are your responsibility! Bring a note from a parent or guardian with the reason for the absence. ***It is essential that you are in class.***
- If you will be attending a field trip – it is your responsibility to see me **PRIOR** to the trip to get missed work.

Make-up Procedure:

- All students should see me prior to a planned absence to determine make-up procedures
- If an unexpected illness occurs you must check the **Absent Binder** and **your periods Absent Folder** upon your return. In the absent binder you will find a daily list of work and in the absent folder assigned to your class period you will find the assignments you missed with your name on it. *This is the student's responsibility!*
- If there are **ANY** questions about make up work please come see me!
- Work should be made up in a timely fashion. If the student is absent for one day, they work should be completed within one day; two days, the work should be completed within two days, etc...

Attendance Policy

- 3 tardies = 1 absence
- 8 absences = **F** and possible appeal slip.
- If a student cuts, they will receive a zero for any work done or due that day.
- No appeals will be given for cuts!!!
- Excused absences are your responsibility! Bring a note from a parent or guardian with the reason for the absence. ***It is essential that you are in class.***
- If you will be attending a field trip – it is your responsibility to see me **PRIOR** to the trip to get missed work.

Course Planner

Not all of the weeks represented in this course planner are full weeks due to school holidays and weather-related closings . **This course planner is subject to change.** Each month you will receive another portion of this course planner. Please fill in the DATE DUE column as reading assignments are given.

Unit	Week	Main Topics	Secondary Topics	Chapter	Assigned Reading	Date DUE
Introduction		Scientific Principles		2	Review Chapter 2	
	3 days					
		Environmental Problems		1	Review Chapter 1	
Earth Systems and Resources (10 – 15%)	3 weeks	Earth Science Concepts		5, 15 & S11		
			Geological Time Scale			
			Plate Techtonics		P. 336 and 339	
			Volcanism		Supplement 11 S43 and S44	
			Seasons		P.102	
			Solar intensity		P.102	
			Latitude		P.102	
	1 week	The Atmosphere		3, 5, & S10		
			Weather and climate		P100-104 Supplement 10 P S38	
			Composition		P54	
			Structure		P54 P440	
			Atmospheric circulation and the coriolis Effect	5	P102	
			Atmosphere-ocean interactions	6	p101	
			ENSO		S39 - S42 Supplement 10	
	1 week	Air Pollution*		19	440-441	
			Primary Sources		P441	
			Secondary Sources		P441	
			Major air Pollutants		P442	
			Measurement Units			
			Smog		444-446	
			Acid Deposition: Causes and Effects		P447-452	
			Heat Islands		555	
			Temperature inversions		446	
			Indoor Air Pollution		P444-447 472 - 473	

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Please read this course syllabus carefully. If you have questions please contact Ms. Lacross via e-mail at: placross@stamfordct.gov. This must be signed by both the student and a parent or guardian and returned to Ms. Lacross by Friday September 4th, 2015. This is your first homework assignment!

I have read and understand the syllabus for: **AP / ECE Environmental Science 2015-2016**

Print Student Name

Signature

Date

Print Parent/ Guardian Name

Signature

Date