

OHHS Science Department

AP Environmental Science Course Syllabus



Course Name: AP Environmental Science
Course Code: SCO55A / SCO55B / SCO55C

Course Description:

The goal of the AP Environmental Science course is to provide students with 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 or preventing them. Environmental science is interdisciplinary and lab-based; it embraces a wide variety of topics from different areas of study such as biology, chemistry and earth science. Units of study include earth systems, populations, land and water use, energy resources and pollution.

Prerequisites/ Corequisite: 1 year Biology and 1 year of either Chemistry, Physics, or Algebra II. Students receiving a B or better in Chemistry should consider this course.

Course Resources

TEXTBOOK

Environmental Science for AP, 2nd Edition by Friedland and Relyea. W.H. Freeman and Company, 2015.

ADDITIONAL MATERIALS

Previously released AP Exams

Concord Consortium, APES in a Box, Bozeman Science, Edpuzzle, News Articles, National Geographic, NPR, Launchpad

Course Fees

None

Course Outline/Instructional Units

1. Introduction to Environmental Science
2. The Living World
3. Biodiversity
4. Populations
5. Earth Systems, Water and Water Pollution
6. Land Use
7. Energy Resources and Consumption
8. Sustainable Society

Major Assessments

There will be an exam following each instructional unit and a cumulative final. There will be one long term lab per unit.

Extra Help

Students will be provided tutoring opportunities after school.

RE-DO POLICY:

“Re-Do” Policy is applicable only after a legitimate first effort! After we have negotiated that a rewind is needed the following will guide our efforts.

1. Tests and Quizzes – students may retake tests and receive a new score commensurate with their effort if:
 - a. they attend after school tutoring.
 - b. they complete all assignments related to the test.
 - c. they complete additional work related to areas they did not show proficiency.
 - d. do retest within one week of getting original test results
2. Projects: Circumstances and time of year often dictate the opportunity to improve on a project. We will negotiate this opportunity on an individual basis.
3. Labs: students will be able to make corrections to labs to earn more credit if lab write ups are turned in on time.
4. Daily work must be turned in before the end of the related unit for credit.
5. All work must be completed by the end of a quarter. Revision of work will not be permitted from one quarter to the next.

Weighted Categories

Grading Scales		Weights	
A	90-100	Categories	Percentages
A-	85-89.9	Quizzes and Homework	30%
B+	83-84.9	Exams	50%
B	77-82.9	Labs	20%
B-	75-76.9		
C+	73-74.9		
C	67-72.9		
C -	65-66.9		
D+	63-64.9		
D	55-62.9		
F	0-54.9		

OHHS PLAGIARISM POLICY:

Any student, who knowingly turns in any work that has been done by someone other than himself or herself, and fraudulently represents it as his/her own, shall be considered to have cheated. Cheating also includes: aiding someone else in cheating, the use or preparation of written, pictorial, electronic or other materials not authorized by the instructor during a test or assignment, the use of testing materials obtained previous to the test date, or plagiarism of any kind. Students found cheating will also be subject to an office referral, which could result in a suspension. As an effort based school, students who have plagiarized/cheated must still demonstrate their learning. Thus, students will be given the opportunity to complete the work. This will fall under the "Late Work Policy" of the teacher where total possible points may be reduced.