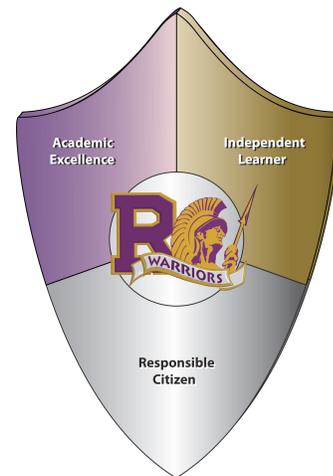


AP Environmental Science Syllabus 2020-2021

Instructor's Information

Course: Advance Placement Environmental Science (A/B)
Instructor: Mrs. R. R. Wingerden
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Website: <http://www.rwingerden.com/apenvsci/>



Text book: Environmental Science, Earth as a Living Planet, (8th Edition)

Course Description: AP Environmental Science is a rigorous year long college level laboratory course designed to learn about scientific principles, concepts, and methodologies to understand the interrelationships of the natural world, identify and analyze environmental problems (both natural and man-made), evaluate the risks associated with these problems and examine alternative solutions for resolving and/or preventing them.

Environmental Science is an interdisciplinary laboratory science that covers a wide variety of topics from different areas of study. There are several unifying themes that cut across the many topics included in the study of environmental science. The following themes provide a foundation for the structure of the AP

Environmental Science course:

- Science is a process
- Energy conversions underlie all ecological processes
- Humans alter natural systems
- The Earth itself is one interconnected system
- Environmental problems have a cultural and social context
- Human survival depends on developing practices that will achieve sustainable systems

This course is designed to prepare students for the Environmental Science College Board Advanced Placement Exam. This course is also the *capstone course* for the CTE Environmental Resources Pathway.

Prerequisites: Junior or senior standing. Successful completion of Chemistry (P) or Geology (P) with a C or better in both semesters.

Required Course Materials: Electronic Device (Tablet, iPad, Laptop), binder with lined loose leaf paper or spiral notebook, graph paper, pens, pencils, highlighters, and colored pencils.

Summer Assignment: The summer assignment is due the first day of course for the 2020 Fall semester. This assignment may be acquired from the [ERHS Summer Homework](#) page.

Grade: Grades are calculated on a percentage basis. The value of each individual assignment varies. Students earn a grade based on the quality and accuracy of the work they complete. Overall class grades are based on a straight percentage, not a curve. *AP Environmental Science course category percentages may change slightly to better reflect the work students are completing during distance learning.*

Assessment: 40%

Laboratory: 40%

Assignments: 20%

Distance Learning

- Canvas will be used to deliver APES content and direct students to other digital tools, such as Albert, AP Classroom, Edpuzzle, Flipgrid, Gizmos, PIVOT Interaction, and Zoom.
- At the start of each week, preferably Sunday nights, students will access the **Weekly Assignments** page in their [APES Canvas Course](#) which will outline the week's curriculum.
- As your instructor during this time of distance learning, I will do my best to provide you with the educational opportunities you will need to prepare yourself for the 2021 APES Exam.
- That said, this is an AP level course and I am only one variable in the equation of *your* academic success. You will need to come prepared and ready to engage in all Zoom classes (*synchronous instruction*), complete assignments on time (*asynchronous instruction*), and advocate for your educational needs by accessing [Zoom Office Hours](#).
- I am grateful for the opportunity to be your instructor. I am looking forward to working with each of you this school year and exploring the dynamic world in which we live.

Norms in ZOOM

- Sign in to our scheduled ZOOM class at least 5 minutes early so that you are in the Zoom WAITING ROOM and we can start instruction ON TIME. Thanks!
- All ZOOM students will be fully dressed. Seriously.
- All Zoom students will have their tablet/device focused on their full face in the camera frame as this increases communication between everyone to increase learning.
- All Zoom students will do their best to remain engaged and focused for the duration of the Zoom class, which I will try to keep to 30 minutes.
- All Zoom students will eliminate outside distractions (TV, games, cell phones, other people/pets, etc.)
- Extend RESPECT in all ways to Zoom participants, at ALL times.
- AUDIO is off until called on by your instructor.
- Make sure you have a proper Zoom screen name which is your OFFICIAL STUDENT NAME.
- Make sure your Zoom background is school appropriate with enough light for visibility.
- Your instructor will share the process for asking questions while in a Zoom class.
- Taking screenshots of Zoom class is not permitted unless you are given permission by your instructor AND your class.
- Students displaying behaviors not appropriate to the norms above will be removed from the Zoom room and reported to school administration and parents.

Exams: Exams will be given over each major unit, and are always announced in advance. Exams are usually worth 100 points and have both multiple choice and short answer questions. In class reviews & study guides are given to help you study!

Quizzes: Quizzes will be given each week. Some quizzes will be announced and others will not. Quizzes will be reflective of what topic is being covered and may vary in format.

Projects: Throughout the year, you will be completing numerous projects. These projects will be based on real-world situations and are quite in-depth. These projects will be graded on completeness, accuracy, neatness & organization. You may be required to share information about your project with the class and you may be required to work with a partner(s) for some of these projects. Projects are due on the date set in class. *If a project is turned in late, then this work will not receive full credit.*

Lab & Lab Reports: Lab exercises accompany most units and will require a written (typed) report. Each student is expected to turn in their own laboratory reports whether they worked in a group or not, unless specified in class. It is the responsibility of the student to turn these assignments in on time. No late work will be taken! If you are absent the day it is due, you MUST turn in the assignment on the DAY of your return.

Homework & Readings: Homework will be posted in your AP Environmental Science Canvas Course. Assignments are expected to be turned in on time. If you are absent the day a paper assignment is due, then you should turn in this assignment the day of your return to class with the word "Absent" written at the top of your paper followed by the date(s) of your absence(s).

Makeups: Homework will not be accepted late unless the student is absent on the due date for illness or other officially excused absence. Work is to be turned in promptly upon your return to school. Work missed for unexcused absences such as cuts may not be made up. Tests will be made up upon your return, either after school or during lunch (you may not have as much time as during class to take the make up exam)!

Lab Component: The laboratory experience is extremely important in the AP Biology course and is used to emphasize that biology and science is a process, which involves development and testing of a hypothesis, collection, analysis, and presentation of data with a clear discussion of the results. To ensure the lab component of the course is met, on average, one day out of every four is devoted to laboratory work. Students are required to come in to the laboratory prepared and ready to complete the day's procedure. Lab reports are then completed at home.

Extra Credit: Extra credit assignments are not available in this course.

Classroom Guidelines/Rules: The following rules should be taken seriously in the classroom. It should be noted that although these rules need to be followed everyday in the classroom, my advice is to also follow them outside of the classroom so you will be an all-around fun, interesting, nice person to be around. ([Distance Learning Expectations and Zoom Norms are listed above.](#))

- Be respectful to yourself and others.
- Be courteous to all—Even if you Disagree with Someone!
- Be positive!
- Be considerate & On Time!

School Rules

- Attendance/Tardy Policy - see Student Parent Handbook
- Major Discipline - see Student Parent Handbook

Put syllabus in your notebook for future reference.

Please *sign, remove* this page from the packet, and *return it to Mrs. Wingerden (room 121)*.

APES 2020-2021

STATEMENT OF UNDERSTANDING

By **completing** and **submitting** the **AP Environmental Science** 2020-2020 STATEMENT OF UNDERSTANDING page, the parent/guardian and the student are acknowledging that they have read the course syllabus for Mrs. Wingerden's **APES** class and they *understand* and *agree* to the commitment necessary to be successful in this course.

Academic
Excellence

Independent
Learner

_____ / _____
printed student name / period

_____ / _____
signature of student / date

_____ / _____
signature of parent or guardian / date

Please return **completed** STATEMENT OF UNDERSTANDING to **Mrs. Wingerden (room 121)**.

Responsible
Citizen

R. R. Wingerden
AP Environmental Science Syllabus 2020-2021