

# AP Environmental Science

## Miss Jessica Clark



**CONTACT INFORMATION ~ Please contact me if you have any questions or concerns about the course!**

- **Email:** [clarkj@warrenhills.org](mailto:clarkj@warrenhills.org)
- **Phone:** 908-689-3050 ext. 3587
- **Website:** Google Classroom and AP Central Classroom

### APES COURSE DESCRIPTION

- **Prerequisite:** To enter this course, a student should have earned a grade of **80 or higher in Honors Biology** or a grade of **90 or higher in CP Environmental Science and CP Biology**, or have a teacher recommendation.
- AP Environmental Science is a lab/inquiry- based course that is designed to immerse students in the physical, biological, and earth systems sciences that shape our environment.
- Scientific concepts, principles, and modern science practices allow students to analyze environmental issues and engage in evidence-based decision making in real world contexts.
- AP Environmental Science is an extended time course to accommodate the laboratory requirements.
- Students are strongly encouraged to take the AP examination in Environmental Science after completing this course.

### AP TEST

- AP Test Date: Tuesday May 3, 2022 (am block)
- \$96 per test
- Sign up will be done online... deadline October 15, 2019

### CONTENT OUTLINE & PERCENTAGE ON AP EXAM: (CollegeBoard)

I. The Living World: Ecosystems (6-8%)	VI. Energy Resources and Consumption (10-15%)
II. The Living World: Biodiversity (6-8%)	VII. Atmospheric Pollution (7-10%)
III. Earth Systems and Resources (10-15%)	VIII. Aquatic and Terrestrial Pollution (7-10%)
IV. Population (10-15%)	IX. Global Change (15-20%)
V. Land and Water Use (10-15%)	

### APES BIG IDEAS

- **BIG IDEA 1: ENERGY TRANSFER** Energy conversions underlie all ecological processes. Energy cannot be created; it must come from somewhere. As energy flows through systems, at each step, more of it becomes unusable.
- **BIG IDEA 2: INTERACTIONS BETWEEN EARTH SYSTEMS** The Earth is one interconnected system. Natural systems change over time and space. Biogeochemical systems vary in ability to recover from disturbances.
- **BIG IDEA 3: INTERACTIONS BETWEEN DIFFERENT SPECIES AND THE ENVIRONMENT** Humans alter natural systems and have had an impact on the environment for millions of years. Technology and population growth have enabled humans to increase both the rate and scale of their impact on the environment.
- **BIG IDEA 4: SUSTAINABILITY** Human survival depends on developing practices that will achieve sustainable systems. A suitable combination of conservation and development is required. The management of resources is essential. Understanding the role of cultural, social, and economic factors is vital to the development of solutions.

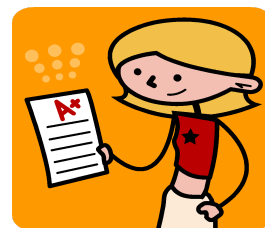
### WHAT WILL WE DO, included but are not limited to:

- Lecture (PowerPoint)
  - Lab work (formal and informal)
  - Computer simulations/research activities
  - Case studies
  - Projects (individual and group)
  - Independent study
  - Unit tests
- Additional skills we will work on...
    - To apply scientific methods of inquiry, graphing, computer tools, and interdisciplinary connections.
    - To develop interpersonal, study, writing, and presentation skills.

**This is a fast-paced course. To succeed your child must be committed and come to class prepared.**

### GRADING

- Your child's grade will be calculated on a total point basis:  
**Grade = # of points earned ÷ total number of points possible x 100%**
- There will be no designated percentage of test, lab, and homework points.
- Grades will be posted approximately each week on Genesis for you for you to access.



### LATE POLICY (INCLUDING BUT NOT LIMITED TO: LABS, ASSIGNMENTS, HOMEWORK)

- All work is due at the beginning of the period unless otherwise noted. If handed in after initial collection, the late policy will take effect. Whether the course meets or not due to the rotating block schedule, the late policy will stay in effect.
  - 1 Day Late: 20% off final score
  - 2 Days Late: 50% off final score
  - 3 or more Days Late: no credit given

### HOW TO HELP?

- You can help your son/daughter to be successful in APES by:
  - Encouraging good study habits & organizational skills
  - Encouraging him/her to come to me with questions, problems, or concerns.
- Additional Resources: Bozeman Videos, Crash Course, Khan Academy, AP College Board
- Purchase: Barron's/The Princeton Review/Kaplan prep books

*\*\*The instructor reserves the right to modify or change the schedule as needed to meet the needs of the students' diverse learning styles and/or professional developments in the area of Environmental Science.*

**THANK YOU FOR SIGNING OFF ON OUR CLASS POLICIES!**