

AP Environmental Science Course Description

What is AP Environmental Science? AP Environmental Science (AP ES) is a rigorous, interdisciplinary course that explores the interrelationships of the natural world. Students will investigate environmental issues, both natural and human-made, and analyze solutions for resolving or preventing them. This course is designed for students who are interested in understanding the scientific principles, concepts, and methodologies required to comprehend the interrelationships of the natural world.

Key Topics: Students will study a variety of topics, including:

- Ecosystems and Energy Flow
- Biodiversity and Conservation
- Population Dynamics
- Earth Systems and Resources
- Land and Water Use
- Energy Resources and Consumption
- Pollution and Waste Management
- Global Change and Sustainability

Course Goals:

- Develop an understanding of the scientific principles and concepts related to the environment.
- Analyze environmental problems and evaluate potential solutions.
- Conduct laboratory and field investigations to apply scientific methods and principles.
- Enhance critical thinking, problem-solving, and data analysis skills.

Expectations:

- Active participation in class discussions and activities.
- Completion of homework assignments and projects.
- Regular review and practice of concepts to reinforce learning.
- Collaboration with peers on group projects and problem-solving activities.

Assessment: Understanding of the material will be assessed through quizzes, tests, labs, projects, and homework assignments. Regular feedback will help track progress and identify areas for improvement.

Prerequisites: Students should have completed Biology, Chemistry and Algebra II with a grade of at least 90% in the on-level course, or at least 85% (unweighted, without the extra 7 points) in an honors or AP course. There is no summer coursework for AP Environmental Science.