

# Troy High School

## Course Profile

**Course Title:** AP Environmental Science

**Course Prerequisites:** Refer To Registration Presentation

### Course Description:

“The goal of the AP 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.” (College Board, 2013) The major topics covered in this course:

- Earth Systems and Resources
- The Living World
- Population
- Land and Water Use
- Energy Resources and Consumption
- Pollution

**Students entering this course should already have a mastery of the following concepts and possess the following skills:**

- Graphing and graphical analysis
- Dimensional Analysis
- Algebra
- Time management
- Basic functions of Google docs and sheets
- Using data and evidence to support scientific claims

**Workload Expectations for this course (list typical amount of homework, projects, presentations, papers, etc.):**

Units in AP Environmental Science are typically 2 chapters and span 3-4 weeks. Each semester contains approximately 5 units of study. Estimate 35 - 50 minutes a night with reading, labs and study time.

#### For each unit students are expected to:

- Read, take notes and review notes nightly
- Complete 1-2 laboratory activities per unit, 1 full lab write-up per semester
- Participate in class discussions, engage in scientific discourse, take notes, make meaningful contributions to group work and activities
- Take 1-3 Quizzes
- FRQ practice
- Take 1 Comprehensive Exam

#### Other assignments include:

- Action and Awareness: a combination of various self directed activities that may include beach clean-ups, art projects, video creations, poster creations, article readings, documentary viewings, museum trips, hikes, trail restorations
- Field Trips (in class to the Creek)
- Optional off campus field trip
- AP exam preparation and review
- Cumulative semester final