

# How am I responsible to my environment, and how can I, as an individual, effect change?

We empower and build student leaders who are prepared and excited to change the world around them through collaboration, problem-solving and becoming stewards of our environment.

## Our students know how to:

### Analyze

Explore and evaluate information, data and systems

### Articulate

Reason, write and present with purpose and logic

### Advocate

Collaborate and innovate to reach outcomes and solutions

### Act

Practice responsible and reflective leadership

## How is the Environmental Sciences Academy UNIQUE?

- Rigorous, academic course sequence, including 7+ CSU / UC approved Science courses
- Internships & community partnerships
- Small Learning Academy
- BioTech industry pathway



# Environmental SCIENCES ACADEMY

## Community Partners

Antioch Wildlife Refuge  
Bay Area Air-Quality Management  
BioTech Partners  
City of Antioch  
Delta Diablo  
Dow Wetlands  
Earth Team  
East Bay Regional Park District  
Globe Cap  
Marine Science Institute  
NASA  
Wild Equity



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Biotechnology combines biology (the study of living things) and technology.

Biotech Partners prepares young people for skilled technical positions in the bioscience and healthcare industries.

Biotechnology is offered exclusively in the Environmental Science Academy at AHS.



### Rigor

- Integrated projects studying real world issues facing today’s environment.
- Students are pushed to reflect, question, research and reinterpret the information presented to them in all subjects.

### Relevance

- Internships - paid and unpaid
- Field trips
- Industry partnerships
- Community outreach events
- Academy greenhouse and garden
- Research opportunities

### Relationships

- Smaller learning academy fosters strong relationships
- Students get individualized attention and interventions
- Positive Behavior Intervention for Students (PBIS)

## UC/CSU Approved Academy Science Courses

#### 9th Grade

- Earth Science
- Biology

#### 10th Grade

- Ecology
- Chemistry

#### 11th Grade

- AP Environmental Science
- BioTechnology I/II

#### 12th Grade

- Senior Project
- Choice of:
  - BioTechnology III/IV
  - AP Biology
  - Physiology
  - Physics

