



PURPOSE

The vision of the Academy for Aquatic Management Systems and Environmental Technology (AMSET) is to inspire students who have a strong interest in the areas of Aquaculture and Environmental Resources to put their passion into practice either in the workforce or in postsecondary education. Students will work directly with the care and breeding of aquatic plant and animal species for the prupose of consumption or environmental restoration. The program will provide students with the knowledge to pass industry certification exams through the Florida Farm Bureau. With current population trends, persons experienced in aquaculture and ecosystem management will be in demand. Possible careers include:

- Marine Biologist
- Fisheries Manager
- Ecologist
- Environmental Engineer
- Environmental Scientist
- Park Ranger
- Law Enforcement
- Aquaculture

PROGRAM OBJECTIVES

- To provide extensive opportunity for field-based research.
- To provide special training in the environmental sciences: ecology, marine biology, water resources and conservation management.
- To develop career skills through practical experience, internships and independent study.
- To equip students with the knowledge and skills to become responsible and productive world citizens.

Are you ready to get your feet wet and your hands sandy?

ENVIRONMENTAL ORGANIZATION PARTNERS

Tampa Bay Watch
Florida Marine Research Institute
Soutwest Florida Water Management District
Tampa Bay Technical Institute
Pinellas County Water Quality Department
National Estuary Program
Audubon Society
Florida Native Plant Society
Eckerd College
St. Petersburg College
Crescent Lake Association
Aquatic Obsessions Dive Shop
SCUBAnaughts St. Petersburg Chapter

ACADEMY FOR MARINE SCIENCE AND ENVIRONMENTAL TECHNOLOGY

Lakewood High School

1400 54th Ave. S, St. Petersburg, FL 33701 (727) 893-2916

Erin Savage - Principal

Pete Oberg - Assistant Principal

James Kostka - Lead Teacher

www.lakewood-hs.pinellas.k12.fl.us



CAREER ACADEMIES

ACADEMIES OF DISTINCTION

CAPE ACADEMIES

THEMED PROGRAMS



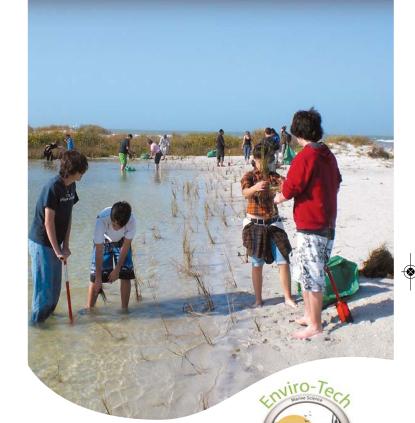
Vision: 100% Student Success

Mission: "Educate and prepare each student for college, career and life."

The School Board of Pinellas County, Florida, prohibits any and all forms of discrimination and harassment based on race, color, sex, religion, national origin, marital status, age, sexual orientation or disability in any of its programs, services or activities.

www.pcsb.org

Academy for Aquatic Management Systems & Environmental Technology LAKEWOOD HIGH SCHOOL



Challenge your mind!

Prepare for the future!



THE ACADEMIES OF PINELLAS

CAREER ACADEMIES

ACADEMIES OF DISTINCTION

CAPE ACADEMIES

THEMED PROGRAMS





program of study

PROGRAM ATTRIBUTES

- Two-acre outdoor classroom where students apply laboratory skills, develop and implement a management plan.
- Care and transplant salt marsh grass (Spartina alterniflora) from our nursery with the guidance of Tampa Bay Watch.
- Hands-on and project-based learning that also benefits the St. Petersburg community.
- · Eligibility for Bright Futures/ Gold Seal Scholarships.
- Training to enter and be successful in the workplace.
- Senior research project and presentation at the Marine and Environmental Science Seminar.
- Attend professional conferences and interact with local and federal agencies involved with the environment.
- May earn Florida Farm Bureau's Agricultural Biotechnology Certification and Agricultural Technician Certification.



RECOMMENDED COURSE PROGRESSION

YEAR 1

- Agriscience Foundations (Industry Certification)
- Algebra or Geometry
- Honors English I or English I
- Biology Honors or Earth Science
- HOPE
- Personal, School, Career Development
- Foreign Language or FCAT Preparation (if needed)

YEAR 2

- Agricultural Biotechnology (Industry Certification)
- Algebra II or Geometry
- Honors English 2 or English 2
- Chemistry (Honors) or Biology (Honors)
- World History (Honors)
- Foreign Language
- Elective or FCAT Preparation (if needed)

YEAR 3

- Aguaculture or Environmental Resources
- Calculus or College Preparation Math
- Honors English 3 or English 3
- American History (Honors)
- Physics or Chemistry
- Foreign Language
- Electives (Fine Art or other)





YEAR 4

- Continuation of Aquaculture or Environmental Resources
- Advanced Math Elective or Calculus
- Honors English 4 or English 4
- **Economics and American Government**
- Science Elective
- Foreign Language or Elective
- Elective

AMSET Recommended Electives

- Honors Marine Science 1 and 2
- AP Environmental Science
- AP Biology
- AP Chemistry or Physics
- Ecology
- Spanish or French
- Technical Focus
 - Digital Design
 - Introduction to Information Technology
 - Digital Design 1
 - Digital Design 2
 - Web Design
 - Introduction to Information Technology
 - Web Design 1



