

The Academy Approach

The growing worldwide interest in environmental stewardship attracts High School students interested in science careers to the Academy of Environmental Science. Citrus County has one of the few remaining undeveloped protected coastlines in the state of Florida, with miles of rivers and aquatic wetlands.

A Citrus County School Board initiated charter school, the Academy was founded in 1999 through a partnership with numerous individuals organizations, and agencies, working to protect our precious environment. Students attending the Academy develop awareness and appropriate stewardship of our environment and natural resources, while focusing on environmental careers.



The focal point is on environmental concerns, while incorporating a hands-on approach to develop a sense of relevancy to the studies. The curriculum is creative, rigorous, relevant, and interdisciplinary. The students will be trained to adapt to new circumstances, will understand complex materials, will use quantitative skills appropriately, will use tools and technology in the workplace, and will work as a team. The Academy is committed to a cooperative learning approach to teaching and a holistic approach to education that ties together lessons, group dynamics, life skills, and environmental science studies into a unified learning experience. The curriculum also promotes individual learning styles and ability levels to provide a total quality educational experience.

Curriculum

Current Science Courses being offered at AES

Biology
Chemistry
Marine Science
Earth Space Science
*** Environmental Science**

***All the above science courses are available as Honors Courses except Environmental Science.**

Current English Courses being offered at AES

English II (10 grade)
English III (11 grade)
English IV (12 grade)

All English Courses are available as Honors Courses.

Current Electives being offered at AES

Multimedia
Critical Thinking and Research Skills (Science Research)

"Additional subjects may be offered in the future"



A High School With a Vision and a View
www.environmental-school.org

Academy of Environmental Science
12695 West Fort Island Trail
Crystal River, Florida 34429
(352) 795-8793

Academy of Environmental Science

A High School With A Vision and A View
Citrus County Florida



Quality Environmental Education
Focusing on
Environmental Careers



12695 West Fort Island Trail
Crystal River, Florida 34429
(352) 795-8793 or (352) 794-0065 (fax)

www.environmental-school.org



Name: _____
 Business/Organization: _____
 Address: _____
 City, State, Zip: _____
 Home Phone: _____
 Business Phone: _____

Please send more information about the Academy

Please send me application information

I'm interested in volunteering

Contact me. I have items that I would like to donate

I would like to make a contribution in the amount of _____

* Please make your tax deductible check payable to **The Academy of Environmental Science**

Mission Statement

Instill in our students a sense of environmental stewardship and provide unique and challenging educational opportunities in the natural sciences. The Academy of Environmental Science in cooperation with community organizations and post-secondary institutions will provide a curriculum to prepare students to be qualified for entry-level positions and/or post-secondary education in careers in the environmental sciences. The Academy will integrate various core courses to ensure relevant preparation for environmental science careers. Students in the Academy will develop a strong partnership with members from the community and environmental organizations.



What the Academy Offers

- Low student-to-teacher ratio
- Qualified dedicated teachers
- Higher student interest level
- More quality learning time
- Less classroom disruption
- Flexible schedule
- Nontraditional teaching approach
- Hands-on learning-teamwork approach
- Science research-Living laboratory
- Cross-curriculum approach
- Professional and academic writing
- Career/college preparation
- More science credits
- Test preparation
- Internship-community and parent involvement



Through partnerships with the Friends of the Nature Coast, local businesses, County, State and Federal organizations, and post-secondary institutions, the Academy of Environmental Science plans to be a center for education, research, fisheries development, and ecotourism.

Weather Tracking Station

The Academy is home to **WEATHERBUG**, a nationwide web based tracking system, that continuously measures 27 weather related parameters. The Academy is proud to offer valuable assistance to community residents, emergency planners, and provide its students with hands-on studies in the field of meteorology.

Aquaculture Center

Aligned with biology, chemistry, environmental and marine science curriculum, students learn animal husbandry skills in the Academy's fish-hatchery **AQUACULTURE CENTER**. Massive tanks with recirculating air filtration systems, teach aquaculture practices at the school site.

In-The Field Experiences

- Team Building Activities at the Gulf Beach
- Water Quality Testing in the Rivers and Gulf of Mexico
- Crystal River Mariculture Center Tour
- Crystal River Archeological Site Visit
- Salt Marsh Study and Beach Analysis
- Seagrass Survey in the Gulf of Mexico
- National Wildlife Refuge Week Display
- Estuary and Food Relationships Study
- Shell Island and Coastal Hammock Survey
- Homosassa Springs Wildlife State Park Visit
- St. Martins Marsh Aquatic Preserve Plant Identification
- Bush Gardens Animal Research
- Progress Energy Emergency Operations Facility
- Manatee Behavior Observation
- Pro-Line Boats Tour
- Sea World Marine Animal Research
- Crystal River Mariculture Center "Adopt-A-Redfish"
- Citrus Springs Elementary School Wetlands Festival
- Citrus Primary School Water Awareness Day

STUDENT SERVICES

How To Apply For Academy Admission

Interested students, including home-schooled and private school students, should acquire an application from the Academy or their Guidance Department. Applications are also available online at www.environmental-school.org Read all the information and instructions carefully, obtain all the necessary application materials, and return the completed packet by mail to the Academy.

Eligibility Criteria

- Demonstrates an interest in environmental careers and a respect for the environment.
- Eligibility for enrollment in a Citrus County high school.
- Completes the ninth grade or on target.
- Completes Biology I or Physical Science and English I .
- Passes an Academy staff review of discipline and attendance records.

Application Materials

- Completed student application.
- Copy of student transcript.
- Letters of recommendation from most recent science, math and English teachers.
- Diagnostic writing sample.

