

AGRISCIENCE ENGINEERING

The Agriscience Engineering program at Coconut Palm K-8 Academy is more than just teaching students how to plant crops and feed animals, it prepares students for one of the many career opportunities available in the agricultural sciences.

Coconut Palm K-8 Academy students establish a strong foundation in agricultural knowledge. Kindergarteners begin by learning the basics in food science and nutrition. As students advance, the curriculum covers everything from insects to food production and more.

In the classroom, students use our state-of-the-art equipment to enhance their skills. At Coconut Palm K-8 Academy, there's much more to learn outside the traditional classroom setting. Hands-on learning opportunities include our high-tech Media Center, Science Labs and spacious Greenhouse where students can study Plant Biology and develop skills in animal care.

Coconut Palm K-8 Academy is surrounded by many thriving agribusinesses, including an exotic fish farm. These businesses assist in the learning process by hosting field trips and providing guest speakers and lending their professional expertise.

KINDERGARTEN: Food Science & Nutrition

Identification of fruits and vegetables; Plant parts and functions; Crop production and processing; Storage; Sale and distribution; Food pyramid; Food preparation; Food sanitation and Safe handling



FIRST GRADE: A World of Insects

Insect classification; Insects in food production; Integrated pest management; Insect field collection



SECOND GRADE: Food, Natural Resources & Environment - A Global View

A world perspective; USA perspective; Florida & local perspective



THIRD GRADE: Animal Care & Health Management

Companion; Farm and Exotic animals; Animal ethics (rights vs. welfare)



FOURTH GRADE: Role of Computers in Food Production

Electronic record keeping; Precision farming; Marketing; Advertising and communications; Business simulation



FIFTH GRADE: Exploring the Science of Food Production

Aquaculture; Plant tissue culture; Hydroponics, Scientific research and investigations

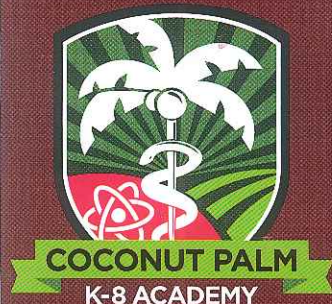


MEDICAL BIOTECHNOLOGY

Health care professionals are in high demand, and it appears they will be well into the future. Today, facilities compete for talented Nurses, Lab Techs, and other skilled professionals with enticing salaries and lucrative benefit packages.

At Coconut Palm K-8 Academy, we prepare our students for a rewarding career in the health care arena through our Medical Biotechnology curriculum.

It starts in kindergarten where students learn about the five senses and basic health. By the time they reach the fifth grade, they will have studied disease prevention, health occupations, biology, and medicine. In addition to the traditional classroom setting, these students will explore in our Cyber Cafe, high-tech Media Center and Science Lab.



Grades 6-8
**UPPER
ACADEMY
STUDENTS
BECOME
FUTURISTS.**

As Futurists, they Investigate, Research, Record, and Demonstrate:

SIX GRADE students take a giant leap by selecting a single strand of study, Agriscience Engineering or Medical Biotechnology. They will utilize their Lower Academy knowledge to begin building a portfolio in preparation for high school academies and Magnet programs.

SEVENTH GRADERS broaden their knowledge of their chosen strand through career experts, hands-on activities, and various projects designed to demonstrate their ever-growing comprehension.

EIGHTH GRADE'S rigorous and expansive program includes community service projects, field trips, participation in various competitions, and their creation of a portfolio designed to show comprehension of their selected strand. Eighth grade students design a curriculum to mentor and work with students in the Lower Academy.