

Orlando Science Center

Marketing



EMPLOYMENT AND TRAINING ADMINISTRATION
UNITED STATES DEPARTMENT OF LABOR

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HEALTHCARE

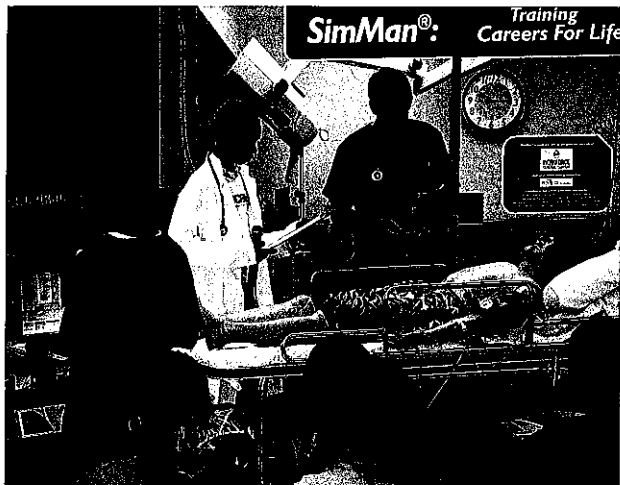
PARTNERS INSPIRE HEALTHCARE CAREERS

As part of the Science Center's mission to **inspire science learning for life**, two educational offerings have been developed to further science learning both through on and offsite programming. These career-focused programs would not be possible without financial and programmatic support of the Department of Labor's (DOL) Community Based Jobs Training grants; Seminole State College's Nursing Program Faculty; and Workforce Central Florida.

offerings and exhibit, the Science Center will be hosting the 2010 Emergency Response: Healthcare Summer Institute. This scholarship-based, two week summer institute will allow 30 high school students the opportunity to develop their own patient simulation scenarios and work closely with the top healthcare professionals throughout Central Florida.

Saving lives one classroom at a time...

Through the sponsorship of Workforce Central Florida (WCF), the Science Center is facilitating a number of healthcare-related offsite programs throughout WCF's five-school district service region (Orange, Seminole, Lake, Osceola and Sumter Counties). The SimMan® Workshops are 60-minute programs that provide an in-depth view into the various body systems and their many functions. A total of 47 programs will be delivered this school year; ten elementary schools and ten middle schools will have the opportunity to participate in two sessions per school. An additional 7 programs will be offered to healthcare academies throughout WCF's service region.



Inspiring the next generation of nursing...

Seminole State College was awarded a multi-million dollar DOL Community Based Jobs Training Grant entitled, "The Regional Nursing Career Pathway Initiative (RNCPI). As a sub-recipient to the initiative, the Orlando Science Center has been contracted to provide K-12 programming; a health career-focused exhibit; and community outreach that would improve the access of K-12 students to the nursing career pathway. DOL views these activities and career exposure as a "pivotal point" in preparing for an estimated shortage of 52,000 nurses by 2020.

Through this 3-year grant initiative, the Science Center will facilitate a total of 144 offsite programs to 36 high schools throughout Central Florida; provide fieldtrip accessibility to 3,210 Title I elementary and middle school students that will experience the grant funded Healthcare 101 Health Labs and *Careers for Life* exhibit at the Orlando Science Center.

This exhibit explores various healthcare professions and the role that each plays in diagnosing and treating patients. In addition to the educational



The educational sponsorship will also provide 30 Physiology Workshops to 5 middle schools (6 workshops per school). This hour-long workshop will help middle school students analyze the response to common stress on the body using Vernier probe ware.



WORKFORCE
CENTRAL FLORIDA



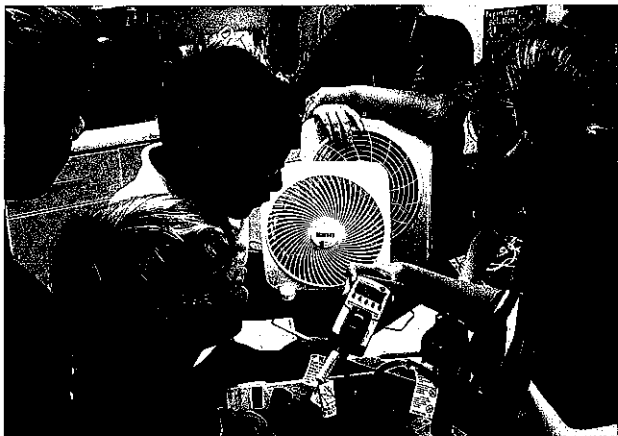
WATER CONSERVATION PROJECT IS A.W.E.S.O.M.E.!

The Orlando Science Center and the Orlando Utilities Commission (OUC) have partnered on a school outreach program that has impacted 8,000 5th graders in 58 elementary schools in Orange and Osceola counties.



The A.W.E.S.O.M.E. Project - which stands for (A)lternative (W)ater and (E)nergy (S)upply; (O)bservation, (M)ethods and (E)ducation - encourages investigation into various forms of energy and stresses the importance of water conservation while inspiring interest and increasing student achievement in math, science, and technical writing. The program will conclude its inaugural year in May with plans to expand in the Fall.

The OUC A.W.E.S.O.M.E. Project is facilitated through a classroom workshop integrated into the Science Center's offsite program, where educators go directly into the classrooms to provide experiments and hands on activities that stimulate informal learning tied to school curriculum.

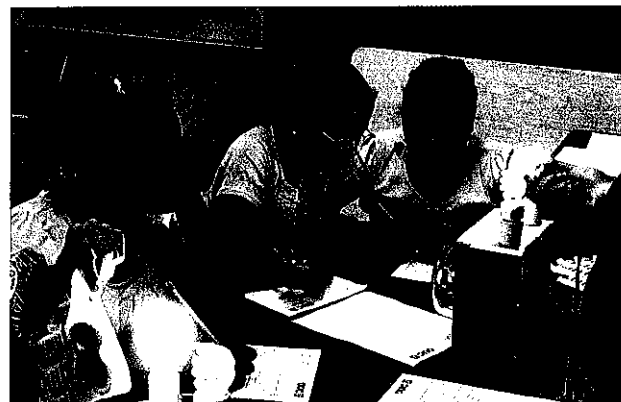


The project was designed to engage every 5th grade student in OUC's service area. Each activity

was aligned to the Sunshine State Standards and academic benchmarks set forth by the Florida Department of Education.

OUC wanted to promote environmental concepts in our community's classrooms, but wondered how to do it in a way that was appealing to today's youth? The Science Center has a long history of making learning fun and proposed a partnership that communicated these concepts to children in a way that would engage and inspire them.

Classroom experiments involved the students in active discovery, from harnessing the sun's energy for solar car races, to building their own aquifer models to learn how drinking water is supplied to many Floridians. In a workshop focused on energy, students learned about the "vampire effect" through testing a variety of common household objects using voltage meters. In water conservation, they were taught the importance of water efficiency through experiments with low-flow and regular showerheads to discover how much water we really use.



"We're energized about the positive impact that the OUC A.W.E.S.O.M.E. Project has had on the educational communities and families served," said Science Center President and CEO JoAnn Newman. "This project was an incredible collaboration because it educated them about important environmental concerns in a colorful way while also stimulating interest in science careers."