



Newspaper in Education Presents
Inquizi
Brought to you by Adult, Career & Technical Education



The Complement of Non-Traditional Careers Convene

Authorized OSHA Outreach Trainers Teresa Herbst and Michelle Meluch are non-traditional career women. Teresa began her career in industrial maintenance working into an electrical apprenticeship in a northern paper mill, and teaching part time at a technical school. As a member of the mill's safety committee, Teresa knew the importance of safety in the workplace. However, while working at the paper mill she was involved in a serious industrial accident. This experience, combined with her knowledge of workplace safety, propelled Teresa into a second career focusing on teaching safety in the workplace at MTI. She also teaches CPR and First Aid for the American Heart Association (AHA). An MTI drafting program graduate, Michelle Meluch began her career in mechanical drafting working on military contracts. Leaving contract work behind, she returned to MTI as a drafting instructor as she wanted to share her enthusiasm and knowledge with students. Shortly after Michelle's arrival, MTI Director Dr. Mary Cantrell envisioned all students in all programs advancing their leadership and employability skills competing in SkillsUSA. Michelle and Teresa immediately recognized the relationship between First Aid/CPR, OSHA training, and SkillsUSA leadership skills. When the opportunity to team teach to enhance the safety awareness of MTI students was presented, they jumped at the chance. Michelle and Teresa know how important safety and leadership is in the workplace and feel they are making a difference in the community they serve.



Carpentry program

David Esquivel, a father of three, travels daily from Hardee County to begin his second career as a student in MTI's carpentry program. Always interested in construction and building things at home, David wanted to learn more about the profession. He enrolled in the carpentry program where he is quickly becoming experienced in framing, building cabinets and the careful and safe use of power tools. Quite different from the skills he learned while employed for many years in the phosphate industry.

Soon after enrolling in the program, David successfully completed the voluntary 10-hour OSHA training. Studying hard to learn every aspect of the carpentry profession, the OSHA training taught David workplace safety. David's OSHA instructor trained him in the critical safety and health skills he needs to be successful in his new career and his carpentry instructors ensure he employs these skills daily as he learns and practices carpentry.

David recognizes the importance of this valuable training. Most employers will require him to have a working and practicing knowledge of OSHA standards enabling him to continually improve health and safety practices in the workplace.

InnoVators
CPR/FIRST AID AND OSHA STUDENTS ONCE AGAIN TRIUMPH AT SKILLSUSA

For the fourth consecutive year MTI students enrolled in a variety of career programs, including criminal justice, childcare, and industrial and construction classes outrivaled their opposition and were recognized as national winners in CPR/First Aid SkillsUSA competition held this summer in Kansas City, Kansas.

CPR saves lives and MTI students are well prepared to help save lives. Sudden cardiac arrest is the leading cause of death in adults in this country and CPR can be the difference between life and death. CPR doubles an individual's chance of survival if started within 4 minutes of collapse and automated extended defibrillation (AED) can increase an individual's survival rate by 40% when provided within 10 minutes of collapse.

At MTI, the CPR/First Aid classes are voluntary; however, they are recommended for all students, particularly for those students who are entering careers where the employee has direct contact with the public such as culinary arts and cosmetology. Many students recognize the importance and need for this valuable 6-hour training and complete the training while enrolled in their career courses.

The Occupational Safety and Health Administration (OSHA) estimates more than \$1 billion is paid every week to employees who sustain on the job injuries. The voluntary 10-hour OSHA training is available to all students at MTI. Two types of OSHA training are offered. The first type of training is for students enrolled in general industry career programs such as drafting, automotive technology, and marine technology and second is for those students enrolled in construction industry careers such as carpentry, plumbing and electrical. Students who complete the OSHA training receive an OSHA card – a card that never expires.

MTI is one of the few schools in the country who employees full time instructors for CPR/First Aid and OSHA training providing students with the critical skills they need to protect themselves and others and to recognize workplace hazards leading to long and healthy productive careers.



Career Pathways in Manatee County Today's Career Focus - Carpentry

Occupational Title	Entry Level	Average	Experienced
Carpenters – all industries	\$10.63	\$15.42	\$17.81
Carpenters - construction	\$11.13	\$15.47	\$17.64
Carpenters - manufacturing	\$9.59	\$14.72	\$17.29
Carpenters – educational	\$14.29	\$17.56	\$19.20

The mean hourly wage for carpenters in Manatee County in 2006 was \$17.29. The mean annual wage or salary was \$35,956. In Florida in 2006 as a whole, the mean hourly wage for carpenters was \$15.42. The mean annual wage or salary was \$32,074.

The number of carpenters employed in Manatee County in 2005 was 2,110. It is projected that in 2013 there will be 2,824. This represents an annual average growth rate of 4.2 percent, faster than 2.7 percent growth rate for all occupations in Manatee County. Growth plus replacement needs for carpenters in Manatee County are estimated to average about 120 openings per year. Of these estimated 120 openings per year, 74.2 percent of these openings are due to growth (new positions) and 25.8 percent of these openings are due to replacements.

<http://fred.labormarketinfo.com>

Tech Prep Career Pathways for OSHA and CPR/First Aid

- Manatee High School
- Lincoln Middle School
- King Middle School
- Haile Middle School
- Harlee Middle School

Professional Organizations

- American Health and Safety Institute
- National Institute of Occupational Health and Safety (NIOSH)
- National Safety Council
- SkillsUSA

Activity Test Your OSHA and CPR/First Aid Knowledge

Students who compete in the SkillsUSA Health Knowledge Bowl are judged on their collective knowledge of health occupations and their speed and accuracy in answering questions in nine categories from the National Health Care Core Skill Standards. Read the following standards and answer the associated questions.

- Health Maintenance Practices
 - Apply behaviors that promote health and wellness.
 - Advocate available preventive health screening and examinations.
 - Use practices that promote the prevention of disease and injury.
 - Use appropriate safety practices as related to high-risk behaviors
 - Evaluate the validity of alternative health practices.
- Personal Safety
 - Apply safety procedures to protect clients, co-workers, and self.
 - Manage a personal exposure incident in compliance with OSHA regulations.
 - Apply principles of body mechanics and ergonomics.
- Environmental Safety
 - Identify safety hazards in the health care setting and state actions to correct the safety hazard.
 - Observe all regulations for patient safety while performing procedures.
 - List the four main classes of fire extinguishers.
 - State the meaning of the words RACE and PASS in relation to fire safety.
 - Identify common safety hazards.

- Use Materials Safety Data Sheets (MSDS).
- Comply with safety signs, symbols, and labels.
- Handle hazardous chemicals commonly used in the health care environment in an appropriate way.

Questions:

- OSHA requires that employers inform employees of all chemicals and hazards in the workplace. Hazardous products must have information provided about the product identification, precautions to use when handling the chemical, etc. What is the name of the document to inform employees of these hazards called?
- What is an important safety precaution when a patient is receiving oxygen therapy?
- What is the first step in controlling heavy bleeding (after donning non-sterile gloves)?
- When performing CPR, what is the correct technique that should be used to open the airway?
- You have come upon a scene where there is a burn victim. The scene is safe to enter, 911 has already been called, and you have determined that there are no life-threatening injuries. The patient appears to have first-degree and mild second-degree burn of the right arm and leg. What is appropriate first step when providing first aid for a first-degree or mild second-degree burn until advanced medical help arrives?

- Answers:
- Material Safety Data Sheets (MSDS)
 - Post a "No Smoking" sign
 - Apply direct pressure with some type of dressing
 - Head-tilt, Chin-lift
 - Cool the burn by flushing it with large amounts of cool water



WEB Wise

Check out the following websites:

- www.redcross.org
- www.americanheart.org
- www.ashinstitute.com
- www.osha.gov
- www.skillsusa.org



InquiziKidz page is published every Wednesday in The Herald. Provided by Newspaper in Education, Brandy Braver (941) 748-0411 ext. 5031, Julie Beacham-Hooie, Ad Designer.

