



ADVANCED TECHNOLOGY Month at the Pankow Center

Youth Engineering Science Expo



Over 250 students from the Frederick V. Pankow Center attended the Youth Engineering and Science (YES) Expo on Thursday, November 8th, at Ford Field in Detroit. The YES Expo is an annual event where universities and corporations come together to show middle and high school students the fascinating world of engineering, science and technology. Michigan universities and community colleges showcased the educational pathways to these careers and demonstrated interesting things students can do in college within these fields.

Dr. Steven Squyres, chief scientist on NASA's Mars Exploration Rover Project, headlined the event and was a fabulous guest speaker. Other aspects of the show included a performance by the Toyota Partner Robot whose special skill was to play the trumpet with his artificial lips which replicated the vibration of a human mouth and "hands" with the dexterity of human fingers. The YES Expo also featured a special video appearance by Rob Coleman who was responsible for the digital animation on Star Wars I, II and III, and John Knoll who directed the visual effects on the Pirates of the Caribbean movies.

For more information and to see photos and videos from this year's YES Expo visit: www.yes.mtu.edu.

Macomb Community College Applied Technology Programs

Students from the Frederick V. Pankow Center's CAD / Drafting and Introduction to Engineering, Technology and Design programs toured Macomb Community College's Applied Technology and Advanced Processes (MCC ATAP) labs on Thursday, November 8th. Students viewed videos about the ATAP program and learned about opportunities for students who enroll in courses at the college level.

After the video, students were taken to each of the classrooms and given a demonstration to see, first-hand, the tools and equipment they would be using if they choose to continue their education in the field at Macomb. The ATAP program offers seven HAAS CNC machines, two Belmont CNC EDM machines (sinker and fast hole), Dimension Rapid Prototyping machine, articulating arm, probe scanner, laser scanner, two computer labs with 21 PC's each, containing CimatronE, MasterCAM and ArtCAM, and a 50-ton VanDorn injection Mold Machine.

For more information about Macomb Community College's ATAP program: www.macomb.edu/academics/CareerTechEd/default.asp

Pictured below are students watching a demonstration of one of the newest training tools used at MCC ATAP.



Apprenticeship Signing



Rachael S., Heath Occupations II student at the Pankow Center and senior at L'Anse Creuse High School-North, signed her Apprenticeship Agreement with the U.S. Department of Labor. Mr. Leone, the Macomb County School-to-Registered Apprenticeship (STRA) Coordinator, walks her through the process. Rachael has been working in the office of John S. Demare, D.O., since the start of this school year. "Dr. Demare and the entire staff cannot say enough good things about her. She is a perfect example of how the STRA program works and how it coordinates with the Externship (CO-OP) program," said Mr. Leone. Rachael will be an apprentice Nursing Assistant and continue her post-secondary education at Macomb Community College.

The STRA program is available to qualified students in the following CTE programs at the F.V. Pankow Center:

Agriscience and Natural Resources
Automotive Collision and Refinishing
Automotive Technology
Construction Trades
Culinary Arts
Early Childhood Education
Health Occupations
Medical Assisting
Network Administration and Computer Repair
Precision Manufacturing

For more information about the STRA program, contact Roland Leone at (586) 783-6570 x 1347

CTE Students of the Month



Alyssa H. – Business Mgmt. & Technology
"Alyssa has a 2.9 GPA overall, always goes above and beyond what she is required to do and even volunteers to work before and after class at Freddy V's, Pankow's School Store." ~ Mrs. Culver, Business Mgmt. & Technology Teacher



Ben P. – Automotive Tech. I
"Ben has a 3.6 overall GPA and is the first to volunteer to work on new projects. He plans to go to Lawrence Tech. to pursue a career in Automotive Engineering." ~ Mr. Hanna, Automotive Tech. I Teacher



Tracy M. – Law Enforcement
"Tracy carries a 3.5 overall GPA with straight A's in Law Enforcement. She has represented L'Anse Creuse as a four-year varsity soccer and two-year varsity football player, as well as earning third place in last year's SkillsUSA CSI contest at the state conference in Lansing. Next year, she will be a freshman Criminal Justice student at Lake Superior State where she was recently honored with an academic scholarship." ~ Mr. Grindem, Law Enforcement Teacher

Upcoming Career Events

Robotics Engineering and Technology Day

Thursday, December 6th

Held at the Utica Instructional Resource Center

Programs attending:

Math, Science and Technology Program

CAD / Drafting Program

Intro to Engineering, Technology and Design

Armed Services Vocational Aptitude Battery (ASVAB)

Testing Thursday and Friday, December 13th and 14th

Career Information on the Net

Career One Stop (Includes videos!)

www.careerinfonet.com

Career Cruising

www.careercruising.com

(See a High School Counselor for passwords)

O*Net Online

<http://online.onetcenter.org>