

## MAKING THE CONNECTION

# **Center Line High School Launches Career Academies**

Center Line High School has reimagined learning with the launch of career academies for all students in grades 10-12. Ninth-grade students develop their strengths and interests in the Freshman Academy before choosing a career academy prior to their sophomore year. At that time, students enter the Academy of Health and Human Services (HHS) or the Academy of Industry, Technology, and Innovation (ITI).

The HHS Academy features classes in Law Enforcement, Firefighting, Emergency Medical Response, and JROTC. The ITI Academy includes FA-NUC Robotics, Computer Numerical Control (CNC), Graphic Design, as well as art and business classes. In each academy, students have the opportunity to earn certifications that can lead to employment in their given field.

Each academy is located in a separate hallway of the school, and students take all of their classes in that area. This helps develop a team atmosphere within the academy, where teachers and students can develop strong working relationships.

In addition to the career specific courses, the academy model places students in small learning communities where they take core classes in math, science, social studies, and English. The core teachers make connections between their content and the academy course work. "Students bederstand how the subjects they learn can be applied lege and career choices that in their other classes," CNC will come after graduation. teacher Mike Quinn said.

"The change has made instruction in the core Industry, Technology, classes more relevant. Stu- and Innovation dents no longer feel the need to ask 'Why are we • CNC learning this?' because the



Nick Labudie and Zachary Bozaan operate the CNC machine.



Mr. Plotzke drives the CLHS fire truck as Asia Lee and Noah Tanski-Jett ride along in full gear.

The academies have gin to appreciate and un- made school more engaging for students, and given are all related, and what them preparation for col-

# The Academy of

Computer Numerical • Graphic design

"Students no longer feel the need to ask 'Why are we learning this?' because the content and will come after graduation. example problems I present are related to careers within the ITI or HHS Academies"

Jeff Sharrow, math teacher

that are repetitive or dan-



EMS instructor Wayne Lobeck guides Breeanne Sporer and Brendan Baber as they work to resuscitate a patient.



PHOTO BY DAWSON MITCHELL Kyler Wilbeck runs the controls of the FANUC robot with



the help of Aydn Thornburg.

leges in the area.

these scenarios.

Mr. Plotzke shares his

When students experi-

from his years on the force

content and example prob- Control, also known as to careers within the ITI or HHS Academies," math teacher Jeff Sharrow said.

Center Line teachers have also implemented routers, and grinders are Project Based Learning where students work collaboratively to solve problems and develop ideas related to the content of the academy. The classroom ics thanks to a course inprojects are designed to give students experiences similar to what they will face when they enter the work force.

of the academy model is needed to meet the decultivating partnerships with local businesses and organizations to provide students with career based learning experiences and opportunities. CLHS has already formed partnerships with Ford Next Generation Learning, Crest Ford, Binson's Health Care Supplies, and several other organizations.

The goal is to have proschool to work with and inspire students, and to have to see what they are learning about looks like in the real world.

lems I present are related CNC, is a machining process used in the manufacturing industry that involves the use of computers to control tools. Mills, all tools that can be controlled in this manner.

Students at Center Line High School can acquire the skills of CNC robotstructed by Mr. Michael Quinn. In this class, students learn how to read blue-prints, and program and set up machine pro-Another key component cesses. These are skills printing t-shirts. mands of the manufacturing industry.

The class is for students who want to pursue a technical career, as well as those who might be interested in engineering,' Quinn said. "The students are driven, and ready to focus and learn.

we learn best from handson experiences, so I try to fessionals come into the lean more toward those this course for four years types of activities," Quinn said. "However, students students go into the field need to take in a lot of information before they are able to work on the CNC machine."

The Graphic Design class at Center Line High School focuses on the design and production of electronic and print media. Electronic media include digital video and photography, while print media are things like t-shirts and business cards.

Visual Imaging is a tangible class in which students get to choose to design what they like. Projects include making posters for the auto show, designing advertisements for businesses, and designing and

#### FANUC Robotics

Center Line High School offers a FANUC Robotics program in which students participate in learning motion programs. One of the main focuses is creating robot work cells.

Course instructor Donna Giacona became certified to "Overall, I believe that teach this class after some on-line and on-site learning. She has been teaching now and is thrilled with the opportunities that it creates for her students.

meter in robotics," Giacona skills needed to become a what it's like in the field," said. "These robots do jobs police officer. In this course, Plotzke said.

gerous. A misconception of robots is that they take jobs away from humans, but these robots have created interesting and exciting new careers for humans."

### The Academy of Health and Human **Services**

#### Firefighting

Center Line High School's Firefighting course is a great educational opportunity open to all stu- tired police officer, helps the students achieve their dents who seek it. The course teaches the stugoals and provides them dents everything they need with the same materials and training used at colto know about firefighting and basic emergency medicine. They learn how to extinguish many types of many past experiences fires, and learn fire prevention safety. The students reto give students a first-hand ceive a mix of lecture and look at real police situahands-on learning about tions. Activities practiced ropes, ladders, fire hoses, in this class include traffic and other equipment used stops, felony stops, handin the field. The class also cuffing, and crime scene completed a project outinvestigation. The program side of school in which they even has its own police car helped local residents inthat the students use in stall smoke detectors.

#### Law Enforcement

ence realistic law enforce-The Law Enforcement ment scenarios, it gives "FANUC is the industry class teaches students the them a better grasp of



#### Emergency **Medical Services**

Emergency Medical Services (EMS) is one of the career training classes offered at Center Line High School. The class is taught by Mr. Wavne Lobeck. In EMS, students learn "Pre- Hospital Care" which is the care provided to a sick or injured person during the first ten minutes of an emergency.

The course uses the same curriculum that is taught in college and medical training courses. Some skills taught throughout the class are CPR, bleeding control, splinting broken bones, and treating heart attacks and strokes. Students also learn how to take care of people with diabetes or severe allergic reactions.

Anchor Bay Schools Armada Area Schools Center Line Public Schools Chippewa Valley Schools **Clintondale Community Schools** East Detroit Public Schools **Fitzgerald Public Schools** Fraser Public Schools Lake Shore Public Schools Lakeview Public Schools L'Anse Creuse Public Schools

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For more information about the MISD and the 21 school districts, go to www.misd.net Mount Clemens Community Schools New Haven Community Schools **Richmond Community Schools** Romeo Community Schools **Roseville Community Schools** South Lake Schools Utica Community Schools Van Dyke Public Schools Warren Consolidated Schools Warren Woods Public Schools

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