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Livingston Area Career Center

CAREER EDUCATION

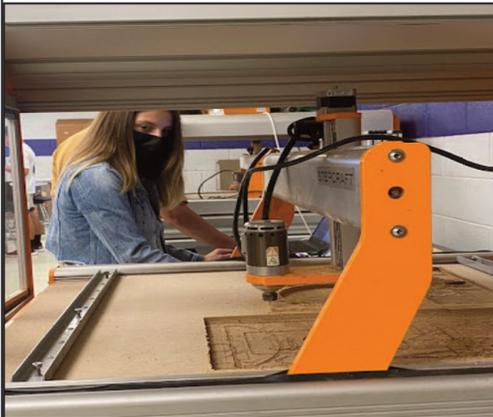
the VOC NEWSLETTER

Created By: LACC Students

Engineering and Architectural Design: STEM Design in the Classroom

STEM (Science Technology Engineering and Mathematics) is a classroom concept that applies all of these subjects to empower students to accurately create, and design the world around them. In Engineering and Architectural Design, students are getting firsthand experience with applying STEM concepts to creating prototypes. As each year goes by, the Engineering and Architecture class raises the bar on what we can do. We are challenging the kids each day to improve their CAD skills by becoming proficient at AutoCAD, Revit and Inventor. Students have the opportunity each semester to get certified in each program. In addition to the certification Engineering and Architecture 1 students can earn up to 6 hours of college credit through Heartland Community College and Engineering and Architecture students can earn 3 hours of credit

Our Goal this year is to provide each student with hands-on experience with our CNC machines as well as 3D printers. Students will apply their designs to create prototypes out of wood or plastic. In the past we have created puzzles, bridges, rubber band cars, assembly items and so much more. We will continue many of these traditions and stay tune for more designs as our year moves forward.



Pictured above: Engineering students are shown working with the CNC machine in class.



For the third year in a row, Mrs. Lancaster & her Welding students have completed a project for the City of Pontiac's downtown square. The project is presented during the lighting of the city's Christmas tree & Christmas Light-up Parade. This year's project was crisscrossed candy canes! To see it in action, drive by the square in downtown Pontiac. Also there are our past projects; Santa's sleigh, a giant present, and a train.

Welding Technology I and II

By: Jodi Lancaster

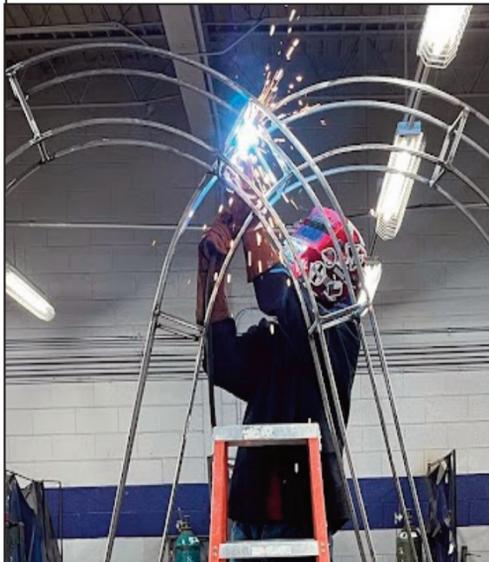
Hello! Welcome to another look at the Livingston Area Career Center's Welding Technology Program. This has started off to be an incredible year with a group of students who are hardworking and excited about the field of welding.

During the first semester the Weldin I students will be dedicated to building their welding skills and learning about the different processes. The welding II students will be dedicating a lot of their time to learning Gas Tungsten Arc Welding of several different materials including carbon steel, Aluminum and Stainless steel. We will have projects along the way as well.

As we look ahead to 2nd semester, we will begin preparing for our annual competition season which will include a competition at Local 597 pipefitters Union, one at Illinois Central College, one at Midwest Technical Institute and finally the most important is the SkillsUSA State and National Competitions.

We will also be looking for more community projects and collaborative projects we can do to give back to our community. Last but definitely not least, we are working on building interviewing skills. We are developing our resumes and cover letters and preparing for the senior interviews which are hosted at the Livingston Area Career Center each year. This gives our senior students the opportunity to interview with real professionals from their chosen career fields. It is always a pleasure to welcome the community into our school.

I look forward to ending this school year as we started it- in school! And I look forward to seeing what next year will bring and the opportunity to tell you all about it!



Pictured above: A Welding student is shown putting the finishing touches on the holiday project for the City of Pontiac.

Regional Students of the Month "December"

Keegan Boldt

Woodland High School

Class: Agricultural Foods

Instructor: Keri Christie

Nathan Traylor

Pontiac Township High School

Class: Small Engine Repair

Instructor: Vincent Hobart



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Welding Technology

COURSES

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Students of the Month "December"



Camdyn Friedman

Pontiac Township High School

Class:

Welding Technology II

Instructor:

Jodi Lancaster



Troy Woodcock

Pontiac Township High School

Class:

Criminal Justice II

Instructor:

Jack Bristow

Quotes..

"The perfect ending to any day, race or project is to FINISH STRONG" — Gary Ryan Blair