

# Making the Connection

Thursday, November 14, 2019

Warren Consolidated Schools



Visual Imaging and Print Tech, as well as the Career Prep Center, allows students to utilize cutting edge technology to foster creativity and critical thinking skills

SUBMITTED PHOTOS

## VISUAL IMAGING PRINT TECH: Creating a Visual Experience for the Future

Graphic design and the printing industry is one of the largest in the United States, with the average state having over 500 companies that employ over 10,000 employees which utilize these specific services and skills to maintain this global billion dollar industry. From signage and product packaging, to advertisements in magazines and newspapers, we are all exposed to the world of graphic design on a daily basis.

Visual Imaging Print Tech is an introductory course in

graphic design and offset printing. Students are exposed to all phases of the printing industry. Our state-of-the art Mac lab, which uses the Adobe Creative Cloud suite, gives students the opportunity to create designs both in 2D and 3D in both print and web-based mediums. Our program also features an offset printing press that every student uses to gain hands-on experience printing traditional business publications such as brochures, newsletters and posters. In addition,

our students use vinyl graphics to create banners, posters and decals for themselves and the community.

Our second-year students are responsible for completing publications for the school district and local businesses. From publication concept and design to publication printing and assembly, our students are involved in the whole publication process and gain valuable experience in customer service and publication project deadline management. Our students also

have the opportunity to participate in local, state and regional design competitions. After participating in the program for 2 years, students can earn up to 12 credit hours articulating at Macomb Community College. Graduates of this program are equipped with essential industry-required skills and are ideal candidates for entry-level positions in the printing industry.

The Visual Imaging Print Tech program is designed to prepare students for careers within the graphics industry,

which is projected to remain a strong domestic-based manufacturing industry for the foreseeable future.

With the technological advancements within the field, the services offered and provided are consistently expanding to keep current with industry demands, and with the jobs available being high tech, high skill, high paying, creative and innovative, the students of Warren Consolidated Schools are ready to create a more beautiful future for everyone.

## METAL TECH: Forging Ahead

The many career pathways in the field of welding and machining are both diverse and abundant, with welders being in-demand more now than ever. Metals are part of our everyday lives, and play an essential part, from the vehicles we drive, to the appliances we use, to the infrastructure that is vital in creating clean energy and public transit, helping us connect to opportunities for employment, healthcare, education and more.

The Metal Tech program offered in Warren Consolidated Schools introduces students to a variety of basic machining and welding skills, such as milling and lathe operations, to precision hand tool usage, as well as MIG, TIG and Stick welding.

In our cutting-edge welding lab, in addition to safety, students have the opportunity to learn hands-on skills and the basic set-up and self-operation of the equipment, in-

cluding oxygen/acetylene torches, grinders, hammers, brushes and more. Through various in-class projects and numerous welding competitions through Skills USA, Ferris State and the Boilermakers, students demonstrate knowledge of basic metallurgy and in basic competencies in various welding processes, including MIG, TIG, Stick welding, as well as Torch and Plasma cutting.

Within the machine shop, students get experience with other industrial and manufacturing skills, such as manual milling, fabrication, manual lathe, CNC machining, and surface grinding. Students also learn how to set-up, program and operate various machines in the shop, and troubleshoot and problem-solve routine issues associated with basic machining and manufacturing.

Second year students build upon the basic skills they have previously learned, and are exposed to new

advanced industry skills. Second year students have the opportunity to visit local production shops and if eligible, participate in our Work-Based Learning program, which provides students with a combination of school-based preparation and supervised paid work experiences designed to enable students to acquire skills and knowledge for career and other life roles in real work settings.

The Metal Tech program in Warren Consolidated Schools has sparked interest and excitement to help prepare a new generation of students for careers in the thriving, high-paying and high-demand field of welding and machining. With virtually every manufactured item relying heavily on the skilled metalworking field to produce it, the technology of welding and machining is necessary to keep advancing the world's economy forward, and our students are proud to be a part of this exciting mission.



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Metal students learn welding and machining skills necessary for this high-wage, high-skill, high-demand field.

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

For more information about CTE, contact Shannon Williams at 586-228-3488 or [swilliwms@misd.net](mailto:swilliwms@misd.net)



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for more information about the MISD and the 21 school districts, go to [www.misd.net](http://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