

MAKING THE Connection TO Career Technical Education

Thursday, April 25, 2019

WARREN

Reaching New Goals in Automotive Technology at Lincoln High School



SUBMITTED PHOTOS

Auto students at the JEGS exhibit at the Auto Rama.

In today's society, students are often tracked on a four-year university bound path as soon as they enter high school. Van Dyke Public Schools is passionate about assisting all students to reach their own goals, whatever those goals may be. Van Dyke also works closely and cooperatively with many Macomb County businesses to ensure that the educational opportunities that are provided to students are those that will well serve the community. The district continues to lead the way with many advanced CTE programs for students. In addition to Automotive Technology, students can also take Manufacturing, CAD, Culinary and Dental all on the campus of Lincoln High School.

To keep the positive momentum going with CTE offerings at Van Dyke, Lincoln High School welcomed a new Automotive Technology Instructor in 2018 to move the program to new heights. Ron Maher has been in the automotive field for 41 years and has been teaching Auto for 10 years at both the post-secondary and high school levels.

Under Mr. Maher's direction, the Auto I students learn the basics of owning and maintaining a vehicle. Upon completion of Auto I, students should be able to do oil change, tune-up, changing and rotating tires, and basic brake replacement. Students will also have the tools to know what to look for when buying their first car. This has come in handy for many of the students who have completed Driver's Training within the district, which is offered through the Macomb County Traffic Safety Association.

Auto II students are learning more in depth repairs such as trouble shooting and diagnosing

electrical issues, major brake repair, alignments, scanning alert codes, and air conditioning issues.

Lincoln's auto program has received two vehicle donations from Baker College this year. Students use these vehicles to perform routine repairs and tasks.

Ron's biggest goal is to help students get jobs in the auto industry within the Metro-Detroit area. To accomplish this, his plan for the future of this course is to teach students more about electric cars.

Cory Fisher, Auto II student, has this to say about his experience in the auto class: "The auto class has helped me learn the proper way to work on cars and how to diagnosis different issues. In the auto class, I was able to earn my student ASE certificate for maintenance and light repair. My goal is to gain employment in the auto field at one of the Big 3 companies, or start my own auto repair shop."

Kyle Ford, Auto II student, said this about his experience in auto: "Auto has taught me a lot about cars and how to work on them. I have always had a passion for cars and having the auto classes has helped me to understand how to repair numerous issues and what to look for in diagnosing problems.

I work at a dealership in St. Clair Shores, and the experience in the auto class helped me to get this job."

This year in the auto classes, students were given the opportunity to be involved in numerous activities such as, the Augmented Reality Distracted Driving Education Simulator sponsored by General Motors. This showed them how easy it is to lose control of their vehicle simply by looking at their phones or trying to text. A



Instructor Ron Maher checking out the Tesla that was brought to the Auto class.

Tesla was also brought in to the shop for students to look at, sit in, and ask questions about. Students participated in a few field trips such as the Auto Steam Days at Macomb Community College, Auto Rama, and Henry Ford Museum.

All Auto II students will have the opportunity to take the ASE student certification for maintenance and light repair and receive a certificate. The program already boasts three who have passed this year and the remaining students will have another chance in May.



Engine & Transmission models used in class for demonstrations.

Anchor Bay Schools
 Armada Area Schools
 Centerline Public Schools
 Chippewa Valley Schools
 Clintondale Community Schools
 Eastpointe Community Schools
 Fitzgerald Public Schools
 Fraser Public Schools
 Lake Shore Public Schools
 Lakeview Public Schools
 L'Anse Creuse Public Schools
 Mount Clemens Community Schools
 New Haven Community Schools

For more information about CTE, contact Shannon Williams at 586.228.3488 or swilliams@misd.net



Macomb Intermediate School District
 44001 Garfield Road
 Clinton Township, MI 48038
 586.228.3300

For more information about the MISD and the 21 school districts, go to

www.misd.net

Richmond Community Schools
 Romeo Community Schools
 Roseville Community Schools
 South Lake Community Schools
 Utica Community Schools
 Van Dyke Public Schools
 Warren Consolidated Schools
 Warren Woods Public Schools

It is the policy of the MISD that no person on the basis of race, creed, color, religion, national origin, age, sex, height, weight, marital status, or disability shall be discriminated against, excluded from participation in, denied the benefits of, or otherwise be subjected to discrimination in any program or activity for which the MISD is responsible.