

MAKING THE Connection TO Career Technical Education

Thursday, November 19, 2020

WARREN CONSOLIDATED SCHOOLS

Creating the Next Generation of Essential Workers

Now more than ever, preparing students for the vast career options within the healthcare industry is not only critical to our society, but to our nation. As the largest and fastest-growing industry in the United States, healthcare occupations employ over 16 million workers in hundreds of career fields. Through the year 2029, roughly fifteen percent of all new jobs will be created in the healthcare industry, which translates into roughly 2.4 million jobs nationwide.

Through the various health science programs offered at the Career Prep Center, the students within Warren Consolidated Schools learn and practice skills that prepare them for diverse post-high school education and training opportunities, which range from certificate programs, two-year college programs, four-year college programs and beyond.

Some careers that students are introduced to involve working directly with people, while others involve research into diseases or collecting and formatting data and information.

Students have the opportunities to work in hospitals, medical or dental offices, laboratories, clinics, as members of first responder units, and more. All students in the health science programs at the Career Prep Center prepare for a careers that promote health and wellness within the community.

The Career Prep Center offers a variety of health science pathways, including introductory Health Science, Health Science Explorations, Health Science Internship, Dental Science and Basic Emergency Medical Technician (EMT).

It is the mission of all of the health science programs offered, to help students identify their own personal career paths and to determine which post-high school option will best meet their needs.

Students enrolled in the health science programs have the opportunity to earn adult CPR, AED, HeartSaver, and Bloodborne Pathogens (BBP) certifications through the American Heart Association.

Introductory Health Science

Introductory Health Science exposes students to fundamental skills, industry related vocabulary and basic anatomy and physiology.

Students are introduced to a variety of exciting careers within the health science field, and have the opportunity to participate in hospital tours and job-shadowing alongside professionals in various settings and departments within the hospital.

Health Science Explorations

Explorations provides second year health science



Veton Thaqi and Maria Schmidt with Skill Kit

students the opportunity to not only learn advanced skills, but also introduces them through interactive modules to specialties within the field, such as sports medicine, physical therapy, radiology, and veterinary science, to name a few.

Eligible students may qualify to participate in various work-based learning opportunities, where they can get real-life on-the-job work experiences.

Health Science Internship

Health Science Internship is an immersive hospital-based program that provides a limited number of second year students who are accepted into the program, the opportunity to work three days a week with patients in a hospital setting.

Throughout the year-long program, students rotate through various departments within the hospital, including radiology, obstetrics, cardiac catheter lab, endoscopy, orthopedics, and the acute care for the elderly (ACE).

Dental Science

The Dental Science program introduces students to basic and advanced dental skills and knowledge, that is necessary for them to peruse careers within the field of dentistry.

In class students learn industry related vocabulary, basic tool identification, as well as safely practicing their hands-on skills using two top-of-the-line dental chairs.

Students also explore various specializations within the field, including general dentistry, orthodontics, periodontics, endodontics, hygienist, laboratory technician and dental assistant.

Eligible second year students have the opportunity to practice their skills while working in dental offices and dental labs.

Emergency Medical Technician (EMT) Basic

Students enrolled in the EMT program at the Career Prep Center acquire working knowledge of best practices and procedures within the emergency care field. Students learn patient assessment, airway management, vital signs, splinting, bandaging, and treatment of various soft tissue and musculoskeletal injuries, as well as burns and shock. Students also practice techniques of lifting and moving patients utilizing the full scale, stationary classroom ambulance simulator, which allows students to feel as if they are in a real ambulance. Qualified students may be eligible to sit for the National Registry (NREMT) exam and obtain a medical license to practice at an EMT level.

Engaging & Instructing Students Remotely

The public health challenge of COVID-19 has presented teachers with unique instructional opportunities to tap into their students' creativity and curiosity, while delivering lessons that not only prompt them to dig deep, but also allows them to experience new and creative ways to learn hands-on skills virtually.

The health science programs at the Career Prep Center have embraced this unique challenge and re-engineered their curriculum to fit a new remote learning path. Students received individual, program specific take-home kits to assist them with learning hands-on skills.

The kits included various PPE items, blood pressure cuffs, stethoscopes, and dental models. Students practiced beginning dissection techniques and reviewed anatomical directional terms by dis-

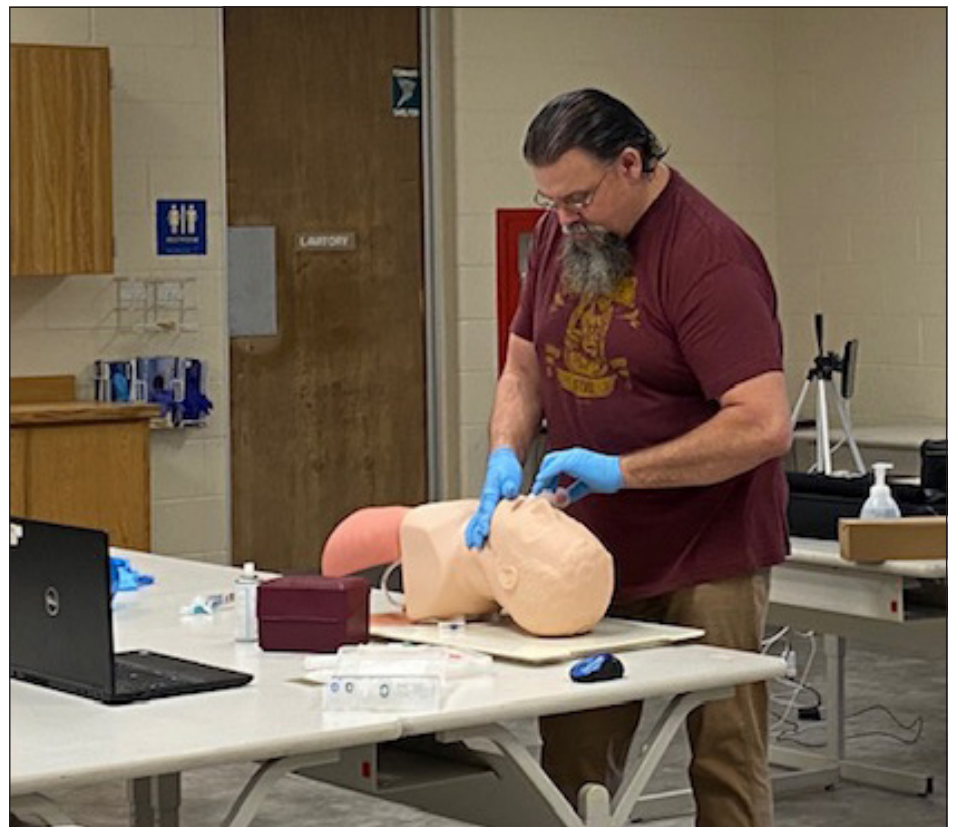


PHOTO COURTESY OF WARREN CONSOLIDATED SCHOOLS

Brian Cooper doing Skills Demonstration.

secting pickles, others are participating in HOSA MichiGAMES, where students compete in various challenges against other schools. Some of the challenges students have completed are giving nurses/healthcare workers a social media shoutout, running errands for at-risk individuals, and starting a GoFundMe page to help local hospitals within the community.

In addition to teachers utilizing Schoology and WebEx to deliver their remote lessons, teachers are also using instructional resources like Kahoot! and Quizlet to better help students master the content learned in class.

Although this is a new and different way for teachers to teach, and for students to learn, Warren Consolidated Schools will continue to put students first, turning challenge into opportunity, inspiring a whole new generation of frontline heroes.



Maya Saeed dissects a pickle to work on skills.

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.