

MAKING THE Connection

TO
Career Technical Education

Thursday, October 22, 2020

Fraser Learning Continues Despite Obstacles

By Brent W. Brasure

Learning within the Career & Technical Education programs of Fraser High School continues throughout this challenging season thanks to a history of innovative leadership, teacher and industry driven curriculum, and a focus on the Universal Design for Learning.

While unexpected challenges caused us to alter our educational delivery models to meet the needs of the new asks of public schools, we are grateful to have built a foundation that is heavily reliant on leveraging tools within our existing digital ecosystem, almost a decade worth of 1:1 technology deployment experience, & our staff's knowledge of managing virtual learning environments to deliver quality educational opportunities to our Ramblers.

With over 70 CTE courses available to FHS students, you can imagine how vast of a challenge it has been to ensure that students continue to be immersed in the professional expectations set forth by industrial demand as is required within any CTE program. Teachers have been working tirelessly since March to generate new methods of interaction and assessment for students learning at a distance.

One tool that has been leveraged to continue to submerge students in professional environments and to allow them to build relationships with professional mentors has surfaced through a service called Nepris. This service will help provide mandated Work-Based Learning engagements for every CTE student via a digital format. Teachers are thrilled to be able to continue engaging Ramblers with sustained WBL interactions related to their area of professional ambition.

The Fashion Design program is expanding this year to include Industrial Sewing thanks to the support of our partners at General Motors Global Design & the leadership of instructor Stacie Yokhana. Previously, students had the exposure of working on standard sewing machines along with a variety of other projects and had great experiences. Moving forward, we are going to use our new Juki industrial sewing machines and workstations to craft with leather, plastic, foam, & other materials common within the vibrant local automotive trim market. We could have never imagined the shift that has taken place in the local textile market as a result of COVID-19 and are looking forward to preparing our students to fill these talent gaps.



SUBMITTED PHOTO

Alaina Parker applies a sling to her at-home patient as a skills assessment for Sports Medicine.

Intro to Health Science students have practiced wrapping items for autoclave sterilization using dishtowels and eating utensils. They also enjoyed exploring pulse and respiration, developing a sales pitch for a biomedical device, and an occupational therapy skills challenge in which they needed to choose an everyday task, like making a sandwich or getting dressed, and do it with their non-dominant hand only.

Sports Med students were given a scenario, like a person with a suspected fracture or dislocation, and had to find household items to make a rigid splint, soft splint, and sling. They immobilized the "injured" body part, took a photo of it, explained it, and presented their findings to the teacher. Ramblers also created a rehabilitation program for a fictional athlete with a lower extremity injury.

Med/Health students worked on their safety unit by demonstrating proper removal of PPE equipment using household items. Students also demonstrated proper body mechanics while lifting and carrying a heavy object and demonstrated proper use of a fire extinguisher using a variety of household objects in the simulation. Finally, Ramblers created an Emergency Preparedness Plan for a healthcare facility based on a potentially catastrophic event. These events included blackout, wild-fire, hurricane, tornado, blizzard, and flood.

Patient Care students are looking forward to obtaining CPR and First Aid training via blended learning from the American Red Cross. Our HOSA - Future Health Professional chapter has worked hard to organize a Blood Drive on October 23 in the Aux Gym at Fraser High School. HOSA members are excited to be able to compete in the annual Regional Convention virtually, although they were looking forward to hosting the event at FHS once again.

For the very first time, all Fraser High School Culinary students will

be participating in the ServSafe Food Handlers and ServSafe Allergen national training program with other aspiring young chefs and professionals alike. This course will be administered through the National Restaurant Association. Once the initial certifications have been granted, these certifications will remain with our young chefs and will only require additional recertification if they so choose. This nationally recognized credential will most certainly give our Ramblers the edge in the very competitive job market and will assist them as they serve staff a recently developed menu during small group instruction sessions.

While Welding, Electronics, Woodworking, Engine Technology, & Mechanical Design students have been engaging from a distance by using digital texts & resources, teachers are looking forward to hosting small group instruction this month to get back to the in-depth processes that can only be served adequately in our labs. These teachers, with a practical understanding of how to leverage PPE safely and the luxury of enjoying flexible learning spaces, are excited to inspire kids with the knowledge they need to be confident returning to school safely. In time, all of our upper level CTE courses will be meeting in small groups to help our students continue to pursue professional purpose in the field of their choosing.

CTE students who choose not to participate in on-site small group instruction, and in programs where no small group option is offered, will have hands-on learning supported through "CTE Lab Bags" containing materials students need to be guided through lessons virtually. These bags are being prepared for distribution to students by the end of October. For example, entry level welding students will receive an electrode holder, paint brushes, & paint in their first lab bag so they can begin to develop the dexterity needed to manipulate an arc across a weld joint. We believe that these efforts will be appreciated by students & parents as we all strive to provide some type of bridge back to the learning outcomes that we expect from our graduates.

While we understand that the current model of education is not ideal given current circumstances, the Fraser CTE Team remains focused on every student's success as we work to develop & provide curricular experiences that can help shape the ambitions of our Ramblers. We are grateful for the support of our community and industrial partners as we work through the challenges before us. Once again, the Fraser Family will answer this calling with the noblest of ambitions.

Seizing the Opportunity

One teacher's perspective on 'new normal' instruction

By Christina Vrzoovski

Who knew that everything that I have been working on in the past few years as a Career & Technical Education Computer Programming and Cybersecurity instructor would prepare our Fraser students for COVID-19 and a season of quarantine that lasted longer than anyone expected? We were all anxious with the uncertainty of this virus, but that did not stop our Ramblers from learning as they had a smooth transition from face-to-face to remote learning. Fraser Public Schools has provided one-to-one technology for years as well as investing in their teachers' online presence through Blackboard and other web-based environments. Sure, there were some obstacles along the way, but Fraser Public Schools stood strong and was able to take care of everybody. This was another example of how powerful the Fraser Family can be!

Our learning environment was consistent and easy for students and parents to navigate. Teachers scheduled instructional hours that were flexible and non-traditional, which meant outside of school hours because student availability varied from home to home. Students demonstrated how to be resourceful and connect with teachers via email, Go-To-Meeting (GTM), Remind, and phone calls. There was minimal training needed to prepare the Fraser staff to move into this remote setting because we have had a virtual presence for some time and administration had done a wonderful job supporting teachers in this realm.

I find myself to be more than just a teacher, I am a facilitator, an advocate, and a supporter for our Fraser students. I showed

students how to edit digital files for other classes; I taught a parent how to use GTM so they can help their child connect; and I allowed students to demonstrate their knowledge as they chose and if there was a gap, then the enriched dialogue that occurred through the GTM would usually end up going beyond the scope of the curriculum. I provided students opportunities to be independent learners as well as focus on student-centered learning by making them the presenter and allowing them to discuss their progress in ways I would have not been able to do in a traditional classroom. The reason why this could occur is because students were already comfortable with the technology that Fraser has provided. The technology was not something they had to learn to use but rather a tool to enhance their education. Students saw the power of technology and the impact it has had on their learning.

Ramblers who had been quiet in my classroom found their voice navigating our digital ecosystem. Students who would have been happy with a C or a B, were now reaching for that A from the comfort of home! They realize the importance of learning, building learning partnerships with their teachers and peers, and communication. Fraser's "Portrait of a Graduate" work has proven critical during this unprecedented time. This was evident as students demonstrated Critical Thinking, Collaboration, Creativity, Character, Communication, and Citizenship organically. This experience has proven to many of us that we can adapt, we will survive, and that we are resilient. I am proud of our Ramblers and I am proud to be a Fraser teacher!



FRASER ANNUAL NOTICE OF CTE OFFERINGS

Fraser Public Schools

Each year, Fraser Public Schools offers Career & Technical Education programs at Fraser High School. These programs are designed to prepare youth for a broad range of employment options & rigorous post-secondary training through technical training,

learning in context to their career ambitions, & building positive work ethic under the guidance of certified teachers, counselors, & cooperative education coordinators. Students who successfully complete certified programs enjoy work-based learning experiences, earn articulated credits at local colleges, participate in student organization engagements, & demonstrate technical skills mastery while earning professional certifications.

Engaged industry leaders drive the implementation of our Career & Technical Education programs. For further information about partnering to support the valuable programs, please contact:

Mr. Brent Brasure, Career and Technical Education Director, Fraser High School, 34270 Garfield Rd, Fraser, MI 48026, 586-439-7206, Brent.Brasure@FraserK12.org

It is the policy of the Fraser Public Schools that no person shall, on the basis of race, color, religion, national origin or ancestry, sex, disability, age, height, weight, genetics or marital status be excluded from participation in, be denied the benefits of, or be subjected to discrimination during any program, activity, service, or in employment.

Any employee or member of the community of Fraser Public Schools believing to be discriminated against should contact:

Mr. Kerry Terman, Director of Human Resources, 33466 Garfield Rd, Fraser, Michigan 48026, 586-439-7025, Kerry.Terman@FraserK12.org

Inquiries related to discrimination on the basis of "student" disability should be directed to:

Dr. Donna Anderson, Assistant Superintendent 33466 Garfield Rd, Fraser, Michigan 48026, 586-439-7015, Donna.Anderson@FraserK12.org

The following is a list of programs currently offered to the Ramblers of Fraser High School.

MECHANICAL DESIGN

Beginning CAD/Drafting
Vocational CAD/Drafting
Individualized CAD/Drafting

WELDING & MANUFACTURING

Welding Technology
Vocational Welding Technology
Manufacturing Technology
Advanced Manufacturing Technology

ELECTRONICS TECHNOLOGY

Electronics Technology

Vocational Electronics Technology

ENGINE TECHNOLOGY

Engine Technology
Advanced Engine Technology

WOOD TECHNOLOGY

Wood Technology
Advanced Woodworking

FAMILY & CONSUMER SCIENCES

Surviving After High School
Foods and Nutrition
Parenting
Life Management Skills
Family Living

EDUCATION

Future Teacher

FASHION DESIGN

Design for Living
Fashion Design

HEALTH SCIENCES

Intro to Health Sciences
Hybrid Medical Terminology
Sports Medicine
Medical & Health Science Careers
Foundations of Patient Care

COMPUTER SCIENCES

Creative Coding w/ Games & Apps
Java Programming

Cybersecurity

Advanced Cybersecurity
AP Computer Science Principles
Web Design
Advanced Web Design

BUSINESS ADMINISTRATION, MANAGEMENT, & OPERATIONS

Business Leadership and Technology
Microsoft Office Specialist

MARKETING, SALES, & SERVICE

Marketing
Sports & Entertainment Marketing
Retail Store Operation
Retail Store Management

FINANCIAL MANAGEMENT & INSURANCE

Accounting
Personal Finance & Insurance

CULINARY ARTS

Professional Baking
Professional Cooking
Culinary Practice
Restaurant Management

WORK-BASED LEARNING

Pre-Apprenticeship Programs
Cooperative Education Placements
Job Shadowing
Company Tour Field Trips
Guest Speakers & Mentors

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

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