

Making the Connection

Thursday, February 27, 2020

Fraser Public Schools



FRASER

New Cyber Lab Excites Learners

By Christina Vrzovski

Fraser High School has 'breached the firewall' with creating a new Cyber Lab to house Cybersecurity, Advanced Cybersecurity, Hybrid Coding, Java Fundamentals, and AP Computer Science Principles. These IT programs are in high demand in industry as there are currently millions of unfilled Cybersecurity jobs that pay tremendously well and Fraser High School is preparing students to fill them!

The cutting-edge design of this space meets the requirements and conditions Fraser students need to thrive in following graduation.

With dual monitors, students can read instructions on one screen while running simulations on the other monitor. The flexible furniture and whiteboard desks make the lab look more like an office space at Google than a typical computer lab & function remarkable well!

The seating consists of high-top chairs as well as cushion seat cubes that look like they came from the space station. These chairs coordinate with the high and low desks arranged throughout the room. Each desk is arranged so students can work independently or with their peers.

In the back of the cyber lab is a workspace separate from the com-



puter lab where students can use the STEM tables to create, collaborate, or disconnect. Each table has interchangeable surfaces to accommodate whatever project students are working on. This space also has a collaboration sta-

tion where students can sit on benches around a semi-rectangular table with an interactive monitor upon which they can broadcast their work. It is wonderful for small group activities!

Students at FHS also have the opportunity to join the Air Force Association's Cyber Patriots where they apply their skills to defend and manage a small company virtually among a competition setting. Students also enjoy the opportunity to join National Technical Honor Society, DECA, SkillsUSA, and HOSA if they choose. Fraser High School is definitely the place to be if you want to be ready for cutting-edge careers after completing training in our new Cyber Lab!

FRASER

Fraser Is Making Its Name in Marketing

By John Forlini

When it comes to a big, juicy burger, the sky will be the limit for marketing students this semester at Fraser High School. Fraser will be teaming up with Abby Lane Gourmet Burgers to come up with the ultimate burger.

Students in Mr. John Forlini's Marketing Class will be able to put their marketing skills to the test as they develop a new menu item for Abby Lane. Students will be in eight groups of four and will compete to generate a unique and marketable culinary creation. "They will have to research the market, price out the ingredients, and come up with a whole promotional campaign for the restaurant," says John Forlini, Marketing teacher at Fraser High School. "When they are done, all the groups will do a professional presentation to Matthew Bumann, owner of Abby Lane. The best presentation will enjoy the honor of having their creation added to the menu."

Mr. Forlini set up the project with Abby Lane to give his students work-based experience in Marketing. This single class project is a pilot experiment. He hopes next year to be able to work with more restaurants in Fraser to have students help promote all the great restaurants around the Fraser area.

Fraser High School offers multiple marketing classes in their Business Department. Students are able to take Marketing or Sports and Entertainment Marketing in preparation to be part of the Retail Store Operations and Management classes, where students run the "Fraser Stampede" school store.

FRASER

Learning Partnerships That Work

By Steven Justice

Fraser High School has enjoyed an amazing start to the 2019-2020 school year! In August, the FHS Industrial Technology Department received new equipment thanks to our learning partnerships with thought leaders from General Motors Global Design, Oakley Industries, Dominion Technologies Group, and Fori Automation. The new CNC plasma cutter in our welding program has proven instrumental in improving student productivity and creativity! Our multi-material fabrication space was expanded to include a HAAS CNC Mini Mill. Fori Automation has been welcoming teachers to participate in externships on weekends to train staff on how to effectively leverage the equipment with students. Ironically, recent Fraser graduate and current Fori apprentice Cordell Gave has been delivering this training. As a result, students will soon be programming and creating real world parts. Our students will be earning an advantage as compared to their competition and bringing these much-needed skills to the manufacturing world.

During this past summer, two of our Industrial Technology teachers were given the opportunity to work with some of our industry partners. Electronics teacher John Molloy enjoyed spending the summer employed with Dominion Technologies Group. During his six-week externship, Mr. Molloy was able to work in several areas alongside the amazing employees at Dominion. The knowledge and skills gained during that time has served Mr. Molloy and his students well as he has been introducing students to the basics of machining and is working to have students operate the HAAS on their own. Industrial Technology Depart-



ment Chair Steven Justice was one of six area teachers selected for an externship with FANUC America. During his three-week externship he was trained in the Handling Tool Operation and Programming, ROBO Guide/Handling Pro, and Dual Check Safety processes. He also job shadowed several FANUC employees and was able to get a better understanding of the business side of their industry. With all of his newly acquired knowledge, Mr. Justice will be able to better leverage the FANUC robots that FHS currently has and can assist Mr. Molloy as we work to provide FANUC Handling Tool Operation and Programming certifications to students.

This school year will be Fraser High School's second year competing in FIRST Robotics. Our FIRST team, led by Steven Justice, has seen tremendous growth going into its second season. This year's team membership has grown to 26 students, a 50% increase over last year. What makes this such a huge accomplishment is that due to graduating seniors, we only had five returning team members. This core group of students worked extremely hard and began recruiting students on day one of the school year. As rookies, we had a very successful season taking home the Highest Rookie Seed

Award, Rookie Inspiration Award, and the Rookie All-Star Award. Winning the Rookie All-Star Award qualified the team for a trip to the state competition to interview for the state Rookie All-Star Award. The support we have received from our Board of Education, administration, and sponsors (Toyota, Fori Automation, Magna, Alro Steel, and Dominion Technologies Group) has truly inspired our team and as we prepare for another successful year of competition.

Our National Technical Honor Society and SkillsUSA membership has seen a significant increase, as well. On Jan 28th, teachers Christina Vrzovski and Stacie Yokhana led our annual induction ceremony introducing 18 new members to our roster of 35 Ramblers. The SkillsUSA competition included students from welding, culinary, and FCS competing with several of our students making it the state competition so far!

Work-based learning is an essential component in CTE. Dominion Technologies approached Fraser High School in the fall about wanting to get more of our students working in industry. They came out and spoke to about 30 interested candidates, of which they interviewed five and have selected three of our seniors for their co-op program for the second semester. These students will be honing skills they have learned at school as they prepare for graduation and entering the workforce.

Collaborative efforts between industry leaders & public schools can reap rewards for all parties while moving talent into our local manufacturing pipeline. As we continue our work connecting students' unique strengths, interests, & values with career pathways training we look forward to the tangible results of learning in context to a professional purpose.

FRASER

Fraser Public Schools Annual Notice of Career & Technical Education Offerings

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. 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

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

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.