

**FRASER**

# CTSOs Are Driving Ramblers into the Future

By Sara Froud (Class of 2019)

Fraser High School is an innovative forerunner in the field of Career Technical Education, or CTE for short. I can say this confidently because I have witnessed the departments' strides first hand as a student involved in HOSA and National Technical Student Organizations, also called CTSOs, that are available to students to join: HOSA, FCCLA, DECA, CyberPatriot, FIRST Robotics, SkillsUSA, and NTHS are among the most popular.



Fraser Welders Joe Brisky, Brendan Cilia, & Wyatt Buckbee are proud of their performance at SkillsUSA.

HOSA Future Health Professionals is the CTSO designated for students interested in the medical field. Members of HOSA have various responsibilities that prepare them to be tomorrow's future health professionals. These responsibilities include involvement in service projects, such as making tie blankets for Children's Hospital. HOSA members also compete at regional, state, and national competitions to test their skills among the best and brightest students. It is no surprise Fraser's competitors are so successful.

Career and Community Leaders of America I talked to Angelique Breeding. The president of this CTSO cued me in on some of their volunteer projects, "In FCCLA we do different volunteer projects each month! We did a don't text and drive campaign, baked cookies for firefighters, and made Valentine's Day cards with elementary kids. We are also planning on doing the March of Dimes walk for premature babies!" Angelique also pointed out, "It relates to our career fields because we do things involving family and community."

ident of DECA (Distributive Education Clubs of America). Regarding DECA he relayed, "DECA is a CTSO that prepares emerging leaders and entrepreneurs in marketing, finance, hospitality and management in high schools and colleges around the globe. Members compete with districts in events revolving around business for the chance of winning regional, state, and national competition. Also, DECA offers a strong field of networking allowing many members to connect in high school, college, and the real world."

The advisor of CyberPatriot, Mrs. Vrzovski, gave her insight on the CTSOs importance, saying, "I believe having a chance to compete gives students a real-life experience connecting the classroom to what cybersecurity is all about. It is not only protecting your identity, but also protecting information from anything connected to the Internet. The competition helps students become aware of how to defend a company's network which can easily translate to their own lives and devices."

FIRST Robotics is a new CTSO in Fraser. Mr. Molloy, one of the teacher advisors, described FIRST Robotics as, "A competition where students are given 6 weeks to build a functional robot for each year's unique challenge, with limited help from their instructors. They then test the robot in competition, which creates a fun and interesting experience for the students."

Mr. Sellers is one of the teacher advisors for the welding competition at SkillsUSA. He shared, "SkillsUSA is a work related competition where students display the skills and knowledge they have gained in their CTE program. SkillsUSA competitions cover the broad spectrum of trades including, welding, woodworking, electronics, cyber-

security, culinary, and business. It prepares our students by testing their skills on-site in an atmosphere that resembles the work industry rather than a classroom setting. SkillsUSA takes students out of their comfort zone to complete job related tasks to earn accolades."

Students who are not only involved in a CTSO but also wish to pursue honors in this area can join the National Technical Honor Society. As president of this organization, I can say that those willing to make the commitment of being a member are only setting themselves up for future success. Community service and involvement in one's designated CTSO is a requirement, and motivates those involved to be diligent in their dedication to the community and their own learning. These qualities are universally beneficial to students in their career path studies.

Overall, it is apparent that Fraser is a leader in the field of Career & Technical Education demonstrated by this vast range of student engagements. The students involved are gaining valuable experience for their future careers while focusing on the importance of community involvement and service. Fraser's students will be the professionals of tomorrow.

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Ramblers enjoy demonstrating technical skills on Nursing Kelly due to its interactive features.

## Simulation Manikin Prepares Future Health Professionals

By Marti Van-I

"I don't feel so good, I think I'm gonna be sick". Those words, followed by the sounds of vomiting, come from a simulation manikin/patient in room 1212 at Fraser High School, also known as "Fraser General Hospital". "Quick! What are you going to do for this patient?" asks health science instructor, Suzanne Garman.

trial expectations. Kelly has been used for a variety of lessons, including vital signs measurements and cardiac arrest care.

Simulation training is a standard in most medical training programs. The Nursing Kelly simulation manikin provides students with realistic clinical experiences and give them the opportunity to perform and practice assessments and interventions in a safe and supported environment, giving them the skills and confidence needed for post-secondary education as well as future employment.

"It's so beneficial to have Kelly here", stated instructor, Marti VanEenaam-Iwanicki. "Our students are able to practice skills and get the experience of working with a simulation manikin now, before they enter post-secondary training in medicine, nursing, or other areas of health care."

As students in the Foundations of Patient Care class react to this sick patient, they learn a valuable hands-on lesson about paying attention to a patient's verbal and non-verbal communication.

A Michigan CTE Equipment grant, co-authored by members of the FHS Health Science Advisory Board, brought the simulator, "Nursing Kelly", to the classroom to help connect students with indus-

**FRASER PUBLIC SCHOOLS**

# Annual Notice of Career & Technical Education Offerings

### Annual Notice of Career & Technical Education Offerings

Each year, Fraser Public Schools offers Career and Technical Education programs at Fraser High School. These programs are designed to prepare youth for a broad range of employment options and rigorous post-secondary training through technical training, learning in context to their career ambitions, and building positive work ethic under the guidance of certified teachers, counselors, and 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, plus 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
- \* New Courses for the 2019-2020 school year

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

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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:

Mr. Denis Metty, Director of Special Education, 33466 Garfield Rd, Fraser, Michigan 48026, 586-439-7045, Denis.Metty@FraserK12.org

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Fitzgerald Public Schools  
Fraser Public Schools  
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L'Anse Creuse Public Schools  
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For more information about CTE, contact  
Shannon Williams at 586.228.3488 or swilliams@misd.net

**Macomb Intermediate School District**  
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Clinton Township, MI 48038  
586.228.3300

For more information about  
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