

Cyber Patriots spawn cybersecurity program

By Christina Vrзовski

In response to growing concerns about the security of our cyber assets and personal privacy, students decided they wanted to control their destiny by defending themselves with knowledge as they navigate cyberspace.

This year, 12 Ramblers from Fraser High School's Programming courses decided to compete in the Cyber Patriot Competition, hosted by the Air Force Association, so they could learn more about how to operate safely within our modern "Internet of

Things". High school students around the globe were tasked with defending networks from various cyber threats and attacks over multiple rounds of Cyber Patriot engagements.

"It was incredible watching the students in action as they try to problem solve and protect the network. This hands-on application definitely helps students demonstrate learning by applying their competencies in real-time," said instructor Christina Vrзовski. "Once students completed the first round of the Cyber Patriot Competition and excitement grew, we recog-

nized the need to develop this type of course at Fraser.

We networked with industry leaders and education partners to assist us with implementing the appropriate curriculum and technology in a new Cyber Lab that we are excited to bring online as part of offering a new Cybersecurity program to our kids in the 18-19 school year.

Cybersecurity A will provide students with the proper skills to protect computers, networks, programs, and data from unintended or unauthorized access, change, or destruction. Cybersecurity B will

continue to focus on cyber crime, security principles, technologies, and procedures to defend networks. Students will build technical and professional skills through interactive multimedia content, lab activities, and multi-industry case studies to prepare them for careers in the massive Cybersecurity sector.

At the completion of training, students will have the opportunity to earn professional certification so they are qualified for the high demand, new-collar job market.

There is no doubt that students who choose to



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Cyber Patriots network with industry professionals at the Integr8 Global Industry 4.0 Conference.

pursue this training will evolve with evolving technology and remain valuable in our economy.

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

ELECTRONICS TECHNOLOGY

- Electronics Technology
- Vocational Electronics Technology

ENGINE TECHNOLOGY

- Engine Technology
- Advanced Engine Technology

WOOD TECHNOLOGY

- Wood Technology
- Advanced Woodworking

WELDING & MANUFACTURING

- Welding Technology
- Vocational Welding Technology
- Manufacturing Technology
- Advanced Manufacturing Technology

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*
- 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

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 Programs for the 2018-2019 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:

Ms. Lynn Sossi, Director of Special Education, 33466 Garfield Rd, Fraser, Michigan 48026, 586-439-7045, Lynn.Sossi@FraserK12.org

Ramblers earn recognition in FCCLA state competition

By Sonja Bozinovski

Family, Career, and Community Leaders of America is unique among youth organizations because it stems from Family and Consumer Science curriculum. Programs through FCCLA include topics such as violence prevention, career connections, family relationships, community outreach, financial success, and so much more. FCCLA takes students' initiatives and ideas and allows them to develop those into projects and community service opportunities. This semester FCCLA members aspired to show their appreciation to local veterans by encouraging the entire school to get involved in a canned food drive. Along the way, students may ask advice from their advisor, collaborate with their peers, and create a partnership with community members and businesses. FCCLA Advisor, Sonja Bozinovski, said one of the benefits of the organization is students take what they learn in their Family and Consumer



SUBMITTED PHOTO

From left to right, Angelique Breeding, Francesca Brown, Julia Sholl, and Tamia Moultry are celebrating their accomplishments at the FCCLA Grand Awards ceremony in Midland.

Science class and apply it to something they are interested in and that's very exciting for students. This year Fraser High School has 28 nationally affiliated members and eight of those members recently attended the FCCLA State Leadership Conference. During the conference, students were able to participate in competitive events and showcase their projects that they voluntarily worked on outside of class. Six students received rank-

ings of gold or silver for their projects. Sawsan Elhady, Ayah Shkoukani, and Yasmeen Shkoukani received a gold in an event called "Illustrated Talk". For their project, the participants wanted to address the topic of technology and its impact on children's health and food choices. "We wanted to make a difference and we understand that kids these days don't always make healthy choices," Sawsan said. Francesca Brown and Angelique Breeding also received a gold in "Life Event Planning". The young ladies wanted to manage the finances of a major life event and apply budgeting skills learned in their Family and Consumer Science class. "Career Investigation" is a popular event that Julia Sholl successfully completed, earning a silver medal for her project. The projects in FCCLA provide authentic learning experiences, improve self-esteem, and serve students with a range of ability levels. Congratulations to all of these Ramblers for their hard work and dedication.

Variety of experiences prepare future health professionals

By Marti VanEenaam-Iwanicki

One of the busiest career technical student organizations at Fraser High School, HOSA-Future Health Professionals has been a CTSO leader since the early 2000s. Fraser HOSA currently has 65 members in grades 9-12, and focuses on four major facets during the school year: Education, community service, leadership, and competition.

Since HOSA is an intertwined and integral part of health science education, our student members learn about health careers in a variety of ways. This year students created health career displays on trifold display boards and presented their information to alumni judges. Field trips to Michigan State University's College of Osteopathic Medicine, Baker College, and Davenport University highlighted allied health education programs and guest speakers

have shared information on a variety of topics from orthotics and prosthetics to kinesio-taping.

When asked, many Fraser HOSA members state they enjoy the community service opportunities "the best". From teaching "Sidewalk CPR" along with the Ferndale Fire Department at the Woodward Dream Cruise, raising \$950 and walking in the fall NAMI (National Alliance on Mental Illness) Walk, raking about a million leaves in our annual Rake and Run, creating nearly 40 blankets for Children's Hospital, collecting pints and pints of blood for the American Red Cross, and planning a "Red Out Week" to support the American Heart Association, Fraser HOSA students have been BUSY!

Fraser HOSA members have excelled in Regional and State competition this year. In January we hosted over 900 people at the Region 4 Leadership conference.

Twenty-one of our members competed and nearly everyone qualified for the state conference. Fifteen members traveled to Grand Rapids for the State Conference and we brought home the following awards:

- Outstanding HOSA Chapter
- HOSA Happenings newsletter recognition
- Barbara James Service Award - Shelby Schwall
- MRC Volunteer Awards - Ryan Querro, Alison Stevenson, Marcella Miller and Jack Baranski
- MRC Partnership - Silver Medal - Ella Baranski, Jack Baranski, Marcella Miller, Ryan Querro, and Alison Stevenson.

With experience in leadership development, community service, and competitive events, Fraser HOSA members are a step ahead of others as they follow their dreams of a career in the health care field.

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



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