Career and Technical Education
Highlights for January 2020

Business and Information:

Last month, Students at Marshall Academy participated in a field trip Department of Defense Cyber Crime Center (DC3). DC3 welcomed the tour participants with an unclassified briefing. Highlights of the tour included overview of recent Advanced Persistent Threats (APTs), a DC3 forensic examiner in full military uniform, and a discussion on the dangers of gaming.

The NICE (National Initiative for Cybersecurity Education) K12 Conference was held last month in Orange County. In conjunction with this annual conference, FCPS was invited to participate in a workshop with other school districts from across the county to identify qualities that represent robust and exemplary Cybersecurity Career and Technical Education Model Programs and Programs of Study (POS), in order to enable more consistency in K-12 cybersecurity education across the country and to increase the supply of qualified cybersecurity workers. FCPS was invited due to our robust cybersecurity pathways for students and our exemplary performance each year in the CyberPatriot program.

Last month, the BIT teachers at Glasgow MS teamed up with Accenture Federal to participate in the Hour of Code. They had their technology classes participate over a 2-day period and their VA STAR club participate Wednesday after school. The Hour of Code started in 2013 by the non-profit organization, Code.org. The goal of this group is to bring computer science awareness in schools with a concentration on getting female students and underrepresented minorities involved. Since its inception, the Hour of Code has grown globally by having over tens of millions participate with approximately 50% of them being female. The Hour of Code is an annual event that takes place for an entire week every December. The goal is to expand this incredible activity to even more classrooms in December 2020.

The Computer Science project team has been hard at work redesigning and expanding CS Pathway opportunities for students. The team has been meeting with teachers, students, higher education and industry to ensure the new pathways will not only meet the needs of the students but will also prepare them for the multitude of CS career opportunities available in our region.

Family and Consumer Sciences (FACS):

Glory Days Grill Internship Kickoff

In late November, Chef Tony Cochones from Glory Days Grill discussed career pathways beginning with his own journey as a butcher, military, and now managing the food product options that are offered at
Glory Days Grill. Students were engaged in his conversation and thoroughly enjoyed the learning about the Impossible Burge, which took 10 years to develop. Following a cooking demonstration and a comparison taste test the students had the opportunity to ask questions and win a $25.00 gift card to Glory Days Grill.

**Real Food for Kids**

The winning dish from last year Real Food for Kids Culinary Challenge created by Takoma Park Middle School students will appeared on the November menu. The newly named Blue Devil Power Bowl will appear on the menu on a regular rotation. Arlington County Public School debuted the dish in November and Fairfax County Public Schools in December.

**Lake Braddock Secondary**

The LBSS Outstanding Employee Selection Committee presented an award to FACS teacher, Toshieba Ragland, for Teacher of the Year.

**Franklin Middle**

Dr. Brabrand received his sewing license at Franklin Middle.

**Marketing:**

In December, five FCPS entrepreneurship teachers attended a Youth Entrepreneurs (YE) teacher training event at FedEx Field. The teachers were provided opportunities to dive deeper into the YE curriculum and ask questions. For more information about the YE curriculum, visit [https://www.youthentrepreneurs.org/get-ye](https://www.youthentrepreneurs.org/get-ye)

In November, Edison DECA held its first ever PowderPuff Volleyball Event. This curriculum-driven, project-based learning event included a round robin tournament between student classes (ex. 2020 vs. 2022) all building up to the main event. The Class of 2021 defeated the EHS Faculty All-Star team 25-22 in a hard-fought battle to the end.

The Langley marketing students have been busy this fall with various work-based learning opportunities. The fashion students assisted with the following fashion shows and events as interns or assistants:

- Fashion Networking Party at MGM National Harbor
- H-Street Festival Fashion Show
- Opening Night #FashionattheAston Fashion Show
- Runway to a Cure Fashion Show
- International Couture Fashion Show at the French Embassy
• Emerging Designer Showcase

Some of the students also participated in a job shadow experience at PayPal in Maryland.

West Springfield marketing and DECA students participated in a Manufacturing and Tourism - Hershey Field Trip. Marketing students used their product development skills to create their own candy bar and packaging.