

## Career and Technical Education Highlights for April 2018

### **Business and Information Technology:**

A team from Robinson Secondary School has qualified to compete in the Personal Finance Division of the Virginia Governor's Challenge in Economics and Personal Finance, scheduled for April 20 in Richmond. The team is coached by Business & IT teacher Carol Wilt and is comprised of students from her Economics and Personal Finance class. The team won the region four championship to qualify to compete in the state finals.

The Glasgow MS VA STAR program (run by Business & IT teacher Marc Perella) was awarded the VA STAR Best Practices Award. This was given to one school that participates in the VA STAR program which refurbishes old computers and donates them to students who are financially not able to purchase their own computer. The school received a grant of \$1000.00 that will be used to fund the club. To learn more about the VA STAR program, visit their [The Virginia Student Training and Refurbishment Program](#).

April 13 - 14 at the FBLA State Leadership Conference held in Reston, many FCPS students took the stage as winners. More than 150 FCPS students qualified to compete at the state conference. Fifty-seven students placed in the top five in the state, 49 students qualified for Nationals and FCPS had 13 first place winners. Schools that had state winners are Centreville, Chantilly, Falls Church, Hayfield, Herndon, Lake Braddock, Madison, Marshall, McLean, Oakton, Robinson, South Lakes, and Westfield. The FBLA National Leadership Conference will be held in Baltimore, MD June 28 – July 1.

### **Career Experiences:**

#### ***Edison Academy:***

#### **Guest Speakers**

Edison Academy hosted a large number of guest speakers in March and early April including: Criminal Justice speaker from the Fairfax County Police Department Bike Team from the Franconia station, a Gang Unit Detective, and a DC Metro Transit officer. Animal Science and Criminal Justice students also had visits from a Fairfax County Police Department K9 handler and the US Park Police Horse Mounted Unit. Electrical Construction & Engineering along with HVAC students had guest speakers from the Fairfax County Government Building Inspectors Offices for a career talk and first year electrical students had hydraulic pipe bending demonstrations by new business partner, Beckstrom Electric.

### **Field Trips**

Criminal Justice students participated in field trips to Coffeewood State Prison, the Fairfax County Jail and Courthouse, and to the Fairfax County Police Mount Vernon District Station. Information Technology students joined Marshall Academy for a visit to the National Cybersecurity Center of Excellence and another group of IT students visited Lockheed Martin's Global Vision Center as well as participating in MITRE's Young Women in Engineering Day.

Eleven students from Edison Academy are headed to competitions at the State SkillsUSA Conference in Virginia Beach. They will represent their district in a variety of events; automotive maintenance, auto collision, commercial baking, food prep assistant, residential wiring/ electricity, and restaurant service.

### **Special Events**

The Electrical Construction and Engineering program will host an ECE Night event on April 26 to recognize outgoing team leaders and level II/III students for their accomplishments as well as to recognize the students who were chosen for level II/III for the coming school term. Business and industry partners will attend the event which will include a presentation to parents on career opportunities in the electrical field and opportunities to network with employers. A Job Interview Prep Workshop was offered for level II/ III students also in early April. Edison Academy will host their end of year Academy Awards on May 10 at 6 p.m. in the Edison High School Lecture Hall to recognize all of the Academy's most outstanding students of the 2017-18 school year.

### ***Fairfax Academy:***

#### **Annual NYC Trip**

Five Fairfax Academy classes attended the annual trip to New York City this month. Fashion careers, professional photography, social media marketing, Arabic, and dance each had a full itinerary of career experiences correlated to their curriculum.

The professional photography and social media marketing classes set-up and organized photoshoots while having the landscape of NYC as their backdrop. During this time they were able to discuss and analyze the photography and marketing aspects of NYC. The students spent the part of their day at the Museum of Modern Art (MoMA) where they were able to photograph and examine fine art, and then finished the day with more professional photo shoots in areas near Times Square.

While the other classes spent a full day in NYC, fashion careers students spent two days there, and dance students experienced an entire weekend.

During their weekend, Fairfax Academy's dance students participated in a multitude of master classes at Steps on Broadway, which included contemporary, modern, Broadway Jazz, and tap. In addition, they even got to indulge the Broadway show, Anastasia.

During their time in NYC, fashion careers students experienced a personalized workshop with fashion designer David Lee of Smith & Parka, explored the garment district, and had a presentation by the senior knit designer Annie Lim at MM. LaFleur. On the second day of their career experience, the students toured the campus and museum at the Fashion Institute of Technology, and then worked on a 'Croquis Book' assignment while in Central Park.

### **Photo and Fashion Careers Collaboration**

In preparation for this year's annual Fashion In Motion show, the student designers from the fashion careers class collaborated with the professional photography class's students for the Fashion In Motion magazine photo shoots.

The professional photography students organize and manage their own industry level photo-shoot to take pictures of the student designs. The photo students edit all of the pictures themselves and submit to the designers and instructor for approval. Those pictures are all compiled to create the Fashion In Motion magazine, which is sold each year the show (and all proceeds come back to the programs).

### **Music and Computer Technology**

Fairfax Academy's Music & Computer Technology (MCT) class had an entire day of local career experiences at Omega Recording Studios, Chuck Levin's Washington Music Center, and the House of Musical Tradition.

The students began their day with a full tour of the professional Omega Studios in Maryland. Omega features multiple recording studios, special recording services, and houses an Audio Engineering School. Students had a true hands-on career experience, as two students were given the opportunity to record their vocals over a pre-existing track that was recorded from a reggae band, and afterwards the track was then mixed and mastered while MCT students observed and learned the professional studio process.

Chuck Levin's Washington Music Center staff taught the history of the store, and explained how it was the 60<sup>th</sup> anniversary of the family owned business. Students got a full tour, along with the opportunity to test out the latest and greatest equipment. Students found the synthesizers to be the most interesting that day, and some students even created a song while visiting.

Their day ended at the House of Musical Traditions, which was founded in 1972. Here, students learned the history of folk and acoustic instruments from around the world. One student even learned how to play a unique instrument called the hammered dulcimer during the visit.

#### **UPCOMING EVENTS AT FAIRFAX ACADEMY:**

- **Film Festival** (Professional Television class) – April 20, 7 p.m. at Fairfax High School
- **MCT Fest** – April 28, 6:30 p.m. at the Sherwood Center, in Fairfax
- **'Falling Up'** (Dance showcase) - May 11 at 7:30 p.m., and May 12 at 4:30 p.m., Fairfax High School auditorium
- **Fashion In Motion** (Fashion Show) – May 18, 7:30 p.m., HUB Ballroom at George Mason University

#### ***Falls Church Academy:***

#### **Congratulations the Falls Church Academy HOSA States Winners and Participants!**

During the weekend of March 16 - 18 ten Falls Church Academy students attended the Virginia State 38th annual Health Occupations Students of America competition in Williamsburg, VA. These ten students competed either as a team or individually in 6 events. Three students ended up as state finalists! Congratulations to all students who competed!

#### **Pharmacy students attend VCU School of Pharmacy and Inova Pharmacy**

Students in Pharmacy Technician Level 2 class became college students for the day with an all access tour of the VCU School of Pharmacy and Inova Pharmacy. On the tour given by Dr. Mike Clarke, Assistant Dean of the Department of Pharmacotherapy and Outcome Sciences at the VCU School of Pharmacy Inova Campus, they learned what pharmacy school looks like, what it takes to be admitted to the program, career options in pharmacy and advances in technology as it impacts the profession. In addition, they received a behind the scenes access to the Inova Hospital pharmacy system by Dr. Wade Chi, Manager of Information Technology, which included the sterile room where medications are made and IV bags are filled, and the computerized system that distributes the correct medications to the departments whose patients have need.

#### **EMS students visit the 9-11 Memorial in NYC**

On a cold March, 9, 50 EMS students from Falls Church Academy traveled to New York City for a visit to the 9-11 Memorial. Students were given the assignment to choose a fire fighter who perished in the 9-11 disaster and to learn about their life and work. Once they arrived in NYC students searched the Memorial for the name of the fire fighter and rubbed their names on special paper or took pictures capturing the name. Additionally, students visited area fire houses 6, 10, and 13 to learn their role in the events of the disaster and visited St. Paul's Chapel, the

location where pictures of the missing were posted, first responders rested, and the community could come for care and support.

### **Level 2 Criminal Justice students tour the FBI Academy**

Despite the many changes in the FBI the fact still remains that they need good agents to continue carrying out their mission to protect and defend the United States against terrorist and foreign intelligence threats. Students from the Level 2 Criminal Justice class had the opportunity to see firsthand the life of an agent, the qualifications to be chosen and the training necessary to make the cut. These students learned the history of the FBI, observed fire arms practice, watched a group of recruits in training, and walked through the famous "Hogan's Alley" that serves as a mock town used for training drills for its agents. Many of these students experienced an excitement toward a career field that involves this level of skill and focus.

### **Modernized Lab of Quest Diagnostics Field Trip**

Students from the Biotechnology Foundation class were given the opportunity to visit the Quest Diagnostics Lab March 8. Each student was amazed at how modernized the equipment in the lab was and most impressed by the robotic systems that delivered and sorted samples to the various labs in the facility. Students also learned about the analysis techniques of LCMS and LCMSMS and Accretioning which is the process of matching a medical sample to a test, barcoding them, and tracking them in such a way that patient confidentiality is maintained.

Future career interests of the students who attended the trip are veterinarian, surgeon, marine biologist, and computer technician, all of which can make great use of this information in their future endeavors.

### ***Marshall Academy:***

### **Marshall Academy Culinary Wins Real Food for Kids Competition Second Year in a Row**

Congratulations Chef Devlin and his team of culinary team for their first place finish in this weekend's 2018 Real Food for Kids Culinary Challenge at Hayfield Secondary on Saturday, March 18. Each student won a \$250.00 gift certificate, professional knives, and cutlery supplies. On Thursday, April 19, FCPS Channel 21 filmed students in action and highlighted their success in the kitchen as well as the classroom.

### **Criminal Justice Participations in Women in Homeland Security Field Trip**

On March 20, Criminal Justice 2 students participated in a field trip to Fairfax County's Police Helicopter Division in Fairfax, VA sponsored by Women in Homeland Security. The Police Helicopter Division, "provides tactical police aviation support, aeromedical evacuation, search

and rescue, and other specialized air support as needed within Fairfax County and the National Capital Region to enhance public safety and welfare.”

Students engaged with the helicopter division staff including pilots, police officer/EMTs, and other staff to learn more about their role in law enforcement and public safety and were on the helicopter's and see first-hand how the tools and equipment the helicopter division uses to protect and service.

### **Announcements**

1. Tysons Chamber Stars Awards Program featuring Dr. Braband – Friday, April 20, 8:30-11:30 a.m.
2. Auto Technology Students will compete in SkillsUSA on April 20-21 in Virginia Beach, VA.
3. Marketing and Entrepreneurship students will compete in DECA April 21-24 in Atlanta, GA
4. Radford University Cyber Security's RU Secure CTF Contest – Marshall Academy is a finalist in the high school division and has a team competing on April 27-28.
5. Marshall Academy Awards Dinner Program – Wednesday, March 30 6-8 p.m.

### ***West Potomac Academy:***

#### **Spring Internships Begin**

Dental internships start next week through the end of May. Pharmacy students are doing internships at local Walgreens pharmacies.

#### **Fire and EMS Complete Health Screenings**

Fire and EMS did health screenings with Head Start Students for their certification hours.

#### **Career Night at INOVA**

Medical Assisting students attended a Career Night hosted by IMG (INOVA Medical Group) where they discussed employment opportunities with students and other incentives for working for INOVA.

#### **Capital Caring Job Shadow Program**

To kick-off Capital Caring's Job Shadowing for Medical Assisting and Exploring the Language of Medicine students, West Potomac Academy hosted a panel of guest speakers to discuss their professional role with Capital Caring, their career path, and what students can expect from a job shadow experience with them. Job shadows will be April 24-May 31.

### **Family and Consumer Sciences (FACS):**

The Sixth annual Real Food for Kids Culinary Challenge and Wellness Expo was held on March 17 at Hayfield Secondary School. Participating schools included: West Potomac High School,

Sandburg Middle School, Franklin Middle School, Marshall Academy, Chantilly Academy, and Lake Braddock Secondary School. Students' recipes were vetted for compliance to USDA standards ahead of the competition where they were judged on taste, presentation and potential for student appeal by a panel of judges that included school nutrition directors and students. The Culinary Challenge was paired with a Wellness Expo that featured a variety of speakers, panelists, and special guests, among them Kristen Hartke, chef and food journalist, who were joined by students for a session on creating a healthy sweet and savory snack. Other panels focused on Decoding the New Nutrition Facts Label; The Entrepreneurial Connection between School Food and STEM Education; Plant-Based Eating; Leadership and Life Skills for the New Economy through Family and Consumer Sciences.

Student winners this year were as follows:

Lake Braddock Team - winner of the Silver Star Award, each team member receives a \$50 gift certificate to use to further their culinary interests.

Sandburg Team - winner of the Gold Star Award, each team member receives a \$75 gift certificate to use to further their culinary interests.

Marshall Academy – winner of the Five Star Award, each team member receives a Chef's knife set from Wustoff.

### ***The Educators Rising State Competition***

Chantilly Academy students participated in the Educators Rising State Competition on March 3, 2018, at Hylton High School in Prince William County. The winning categories were as follows:

First Place – Lesson Planning and Delivery – Humanities

Second Place – Public Speaking

Third Place – Public Speaking

Students from Herndon MS, Sandburg MS, South County HS, Lake Braddock SS, James Madison HS, Lanier MS/Fairfax HS will participate in the Family Career and Community Leaders of America (FCCLA) state competition that will be held April 13-18 at Virginia Beach.

### ***City of Fairfax FCCLA Student Awarded the FCCLA Japanese Exchange Scholarship***

FCCLA adviser, Susan von Schaack, is pleased to announce that one of the fourteen scholarships has been awarded to a local Fairfax City resident. A junior at Fairfax High School has been selected to receive the FCCLA/Kikkoman Scholarship to participate in the Japanese Exchange Program through Youth For Understanding USA (YFU USA). The student has been

an active member of the City of Fairfax FCCLA since eighth grade competing in a STAR event. In grades 9 and 10, he helped the chapter earn recognition when he competed in the National Online Program for Families First. During this current year, he has is the curator of the chapter website competing in the STAR event senior category.

The FCCLA Japanese Exchange Scholarship is administered by Youth for Understanding USA (YFU USA), a non-profit international exchange organization. Based on the premise that international understanding can be achieved through individuals, the program emphasizes family living as the core of the overseas learning experience. The opportunity to experience the day-to-day life of another country and its people enhances students' awareness of international issues.

While living four-to-six weeks with a Japanese host family, the student will experience a Japanese tea ceremony, traditional Japanese foods, or climb up Mount Fuji with a Japanese brother or sister. Japanese Exchange is a scholarship opportunity for FCCLA members to travel to Japan for four-to-six weeks as an exchange student. This scholarship is worth more than \$11,000 each.

### ***FCCLA State Leadership and Recognition Conference in Virginia Beach***

Students from FCPS participated in a weekend leadership training FCCLA conference held April 13-15, 2018, in Virginia Beach, Virginia. The students participated in STAR events, a series of competitive events that demonstrate proficiency and achievement in leadership and job-related skills. There are over 80 categories of STAR events to compete in as a team or as an individual.

Madison HS – won an individual gold medal in Teach and Train, a team silver medal in Advocacy, and a team silver medal in Life Event Planning.

South County HS – won a bronze medal in Food Innovations.

Fairfax HS - won team gold medals in Focus on Children, Food Innovations, and Promote and Publicize. They won team silver medals in Advocacy and Chapter Service Project Display.

Sandburg MS – won a gold medal in Nutrition and Wellness, a bronze in Teach and Train, and a bronze medal in Life Event Planning

Herndon MS – won silver medals in Entrepreneurship, Life Event Planning, and Recycle and Redesign. They won bronze medals in Interpersonal Communication, Advocacy, Promote and Publicize, and Teach and Train.

The top winners in each of the national STAR events will have an opportunity to compete in Atlanta, Georgia at the National Leadership Conference, June 28 – July 2, 2018, against top winners from other state associations.

## **Marketing:**

### ***FCPS Virginia DECA State Leadership Conference Winners March 2-4, 2018 – Virginia Beach, VA***

- Approximately 800 FCPS students and teachers attended the conference
- Three hundred three FCPS students from 17 FCPS high schools were recognized as winners over the weekend
- Two hundred twenty-eight students were considered finalists in their event and earned the right to compete at the International Career Development Conference in Atlanta, Georgia April 21-24, 2018
- Thirty-nine students were recognized for winning 1<sup>st</sup> place overall in 27 events
- Twenty-five students were recognized for winning 2<sup>nd</sup> place overall in 17 events
- Twenty-four students were recognized for winning 3<sup>rd</sup> place overall in 13 events
- Three newly elected state officers
  - Lake Braddock SS – President
  - Oakton HS – Executive Vice President
  - Madison HS – Region 2 Vice President

The marketing students from South Lakes High School were honored at the Best of Reston Awards for Community Service on Thursday, April 12, 2018, for their project with the South Lakes High School PTSA Food Pantry “*Food from Heart to Heart.*” For more information, please visit [2018 Best of Reston Awards](#).

The advanced marketing and DECA students from Hayfield Secondary went to National Harbor for a field trip. The students met with two marketing executives from Gaylord National, who talked about the business and provided a tour of the facility.

The Edison High School (EHS) All-Star Basketball Classic was held on Friday, March 16. This curriculum-based event, presented by DECA and marketing classes, was a round-robin tournament for student classes along with halftime promotions. In the main event, the winning student class of the round robin tournament played the EHS faculty all-stars in a hard fought battle of the young hotshots versus the “old-timers”. The event sold over 200 tickets and provided a fun night of entertainment for spectators.

Beginning April 3, all Entrepreneurship classes at Falls Church High School began the business plan competition. The students have been working on these plans for most of the school year. There will be three winners per class who will move on to the Network for Teaching Entrepreneurship (NFTE) Business Plan Competition. The preliminary round was held on April 11, 2018. The winners from that round will compete with high schools in DC, VA, and MD. The winners from this competition will compete in New York in October.

South County marketing students are putting their classroom skills to work by helping Amazon make a huge decision. Please visit [Amaz-ing Real Issues in Real Time](#) for more information.

Meredith Ehler came in to speak to the Fashion Marketing students at Chantilly High School. She spoke about her career path in the fashion and make-up industries. Meredith began her career at Nordstrom and now represents Limelight make-up, which is used by celebrities. She has attended several make-up shows in NYC and has done make-up for several stories in Posh Seven Magazine. Posh Seven Magazine is a Loudoun County publication. Meredith has a wonderful message for students regarding their career path choices and constant networking.

FCPS marketing students from Centreville High School and the Fair Oaks Classroom on the Mall program opened the annual Fair Oaks Prom Dress Shop on Friday, April 13. The dress shop, which has been in business for 12 years, has helped hundreds of financially challenged students attend prom in style each spring. For more information please visit the links below:

[Marketing Students Make Prom Dreams Come True](#)

[VA Shop Offers Free Prom Dresses to Local Students - News 4 Coverage](#)

## **Technology Education and Engineering:**

### ***Technology Student Association - Northern Regional Fair***

On March 17, 2018, the Virginia Technology Student Association held its annual Northern Regional Fair at Briar Woods High School. Of the total 31 events, FCPS had 171 top-ten finalists. The VA-TSA state conference will be held on May 4-6 at the Hampton Roads Convention Center.

### ***West Potomac Goes to "Space"***

For West Potomac High School Engineering Students, the sky is not the limit! Joe Franco's Advanced STEM Engineering students completed a fantastic project, sending a weather balloon

into the upper atmosphere, taking video, flight data and retrieving. The link below is to the video they put together, enjoy! [West Potomac High School Goes to Space](#)

***Lanier's KidWind Challenge Competition***

Lanier's SPINNERS team placed first in the Regional KidWind Challenge 2018 competition held at Udvar-Hazy Museum on March 16. This is the fifth consecutive year that Lanier MS has stood first in this competition. With this win the team qualifies for the National KidWind Challenge 2018 competition to be held at Chicago in May.