

Career and Technical Education Highlights for October 2024

CTE Celebrations:

CTE Career Success Stars

Lauren Melim, FCPS graduate from South County SS was recognized as one of the Virginia Department of Education (VDOE) [2024 CTE Career Success Stars!](https://www.youtube.com/playlist?list=PLRTyIO-OTuVPW_UOtruU2cqSsh-nhV-JQ) (https://www.youtube.com/playlist?list=PLRTyIO-OTuVPW_UOtruU2cqSsh-nhV-JQ) These videos highlight how Career and Technical Education programs provide academic and technical training for students seeking high-skill, high-wage, or in-demand careers. Lauren Spotlight will soon be featured on the VDOE website on the [CTE Student Profile](https://www.doe.virginia.gov/teaching-learning-assessment/k-12-standards-instruction/career-and-technical-education-cte/student-profiles) (<https://www.doe.virginia.gov/teaching-learning-assessment/k-12-standards-instruction/career-and-technical-education-cte/student-profiles>) webpage and are organized by the Career Cluster of each honoree's career path and current position. Lauren explains how a Sports Marketing class in high school led her to become the Vice President of Marketing for Case Mate. Way to go Lauren and South County SS Marketing program!

A Shout Out

A shout out to the STEAM + CS Team for supporting our summer enrichment camps by providing Blue Bots, micro:bits and Finch robots! Our students at CTE Summer Academy and Tech Adventure Camp loved using these tools to learn more about coding. The STEAM + CS Team also supported students in the Imagine Summer Learning Program by providing access to hands-on learning resources, such as micro:bits.

A Special Hello!

We were able to connect with some of our new teachers during the Great Beginnings Summer Institute and look forward to spending more time getting together during the school year. We want all our teachers to be supported in their roles and know the first year can be especially difficult. Please help us in supporting our new teachers and making sure they feel the CTE love!

FCPS Trades for Tomorrow(T4T) Program

A shoutout to one of our CTE students! He is a Carpentry 2 student at Chantilly Academy who participated in the FCPS Trades for Tomorrow (T4T) program over the summer, where he worked full-time as a Carpenter Apprentice. His T4T journey did not end when the summer did; He continues to work with FCPS Facilities Management during the school year where he is gaining valuable carpentry experience.

Family and Consumer Science:

Custom Wordle

Sara Bolanos, Family and Consumer Sciences teacher at Thoreau MS shared how she uses custom Wordles to help her students with vocabulary! She said, “The classroom engagement is great, it kept them busy, and the students engaged in competition with each other trying to guess, they’re helping each other, they’re having fun!” Thanks for sharing, Sara! We love new activities to keep students interested in learning!

Sustainable Clothing Care Skills

Stone MS FCS two students are developing Sustainable Clothing Care skills. Students selected items to create a stain on their clothes (mud, ink pen, ketchup, chocolate, grease). They researched how to remove stains using items that they have at home, other than store bought stain removers. They used shaving cream, baking soda, hydrogen peroxide and other items to remove the stains. Step 1 stain the fabric, let dry for 2 days. Step 2 use their researched product. Students discovered creative thinking and research will lead them to success!

VATFACS 2024

Congratulations to the following Family and Consumer Sciences teachers on being recognized at the annual VATFACS 2024 Professional Development Conference.

Sarah Ummen, sixth – 8th FCS teacher at Poe MS displayed her resources and presented at the state institute for all Virginia’s FCS Instructors, CTE Administrators and VDOE representatives. Super Charge Your Food Labs –Organization is Key was Sarah’s presentation as part of the Super Night Kick-Off session geared toward guiding middle school teachers to create routines in the labs. Teachers became students and got to make TRAIL MIX as a hands-on component. In 2023, Ummen focused on setting up textile labs with middle school teachers. They also had a hands-on activity to bring back to use in their classrooms.

Sean Appleby, Marshall Academy Culinary Arts instructor, hit the ground running and walked away with second place in the Chicken Fabrication competition.

Toshieba Ragland, Lake Braddock SS FCS teacher, was selected for the 2024 VATFACS Sharron K. Glasscock Scholarship Award.

Culinary

An exciting update from Real Food for Kids (RFFK)! The Champion of Youth Conference reaches a national audience that supports public and private organizations dedicated to advancing healthy food

options for students. FEATURED ON THE MENU, this year, to be served at the conference, are the following winning recipes from various RFFK Culinary Challenge events: Chicken Shawarma by Lake Braddock SS, Vegita Wrapadilla by Franklin MS, Carne Asada, and Tofu Arepa by Herndon HS. This is just one of the measures that validates the IMPACT is SUSTAINABILITY that comes from Family + Consumer Sciences instruction.

Agri Culinary Tech Competition

Marshall Academy Culinary Arts 2/3 students were selected to compete in the Agri Culinary Tech Competition at Virginia State University on October 24th. Marshall Academy is one of five teams from across the state to participate. The students three-course meal proposal including a starter, entrée, dessert included locally sourced ingredients and innovative cooking methods.

Health and Medical Sciences:

DPSC Partnership Kick-Off -

The Fairfax County Department of Public Safety Communications presented to 911 Dispatch, EMT and Criminal Justice Students to kick-off the partnership for the 2024-25 school year. They shared what community safety organizations work together at DPSC, future employment opportunities, and upcoming field trips and job shadow programs. Students have also been able to participate in the Mass Casualty Simulation in Spring 2025 sponsored by DPSC and will include all community safety partners.

PT/OT Students Earn College Credits

For the 2024-25 year a total of forty-one PT/OT Level 1 students are participating in Dual Enrollment with NVCC. This is a transferrable three credit class through NVCC, Medical Education Campus.

Medical Assistant Students

Medical Assistant students from Falls Church Academy will once again support the Public Health Nurses at FCPS high schools, middle schools and elementary schools with their vision and hearing screenings this fall. Helping with these screenings gives our students experience in direct patient contact as well as the process of taking vision and hearing screenings on multiple students.

Business and Information Technology:

Cyber/IT Students

Our CTE classrooms started off strong in August! The Cyber/IT students from Chantilly Academy were busy running diagnostics on computers. During August members of the Code UP! team facilitated professional development for all staff at Rolling Valley ES at their kickoff meeting. Teachers experienced a Computational Thinking introduction lesson and reflected on how they used computational thinking to

solve the problem. Teachers felt joy and excitement as they collaborated to solve the task. Multiple teachers said:” Wow, which was so fun! What a great start to the year!” Way to go Code UP! Team, we cannot wait to see these teachers bring computational thinking into their classrooms!

STEAM & Computer Science

Our STEAM + CS team has been busy providing in-person professional development for our teachers! Sixty (60) STEAM and CS resource teachers from fifty-six different schools attended an in-person professional learning session! Educators engaged in an engineering design challenge that supported science and math learning goals. 40 Secondary Computer Science teachers from across FCPS attended their own session. Educators had time to earn updates to their courses, engage in CS pedagogy practices, and collaborate with each other to share resources and practices that can support students across schools.

Technology and Engineering Education:

Robinson SS FM Field Trip

On Thursday, September 19th, students from Amy Krellwitz’s IB Design and Technology class at Robinson Secondary School had an exciting opportunity to visit the [FM Global Risk Prevention Tour Truck](https://risk.fmglobal.com/simzoneontour/p/1) (<https://risk.fmglobal.com/simzoneontour/p/1>) which was stationed at the Sideburn Satellite Office. The visit was designed for students interested in fields like engineering, loss prevention, risk management, insurance, and fire science. In addition to touring the specialized truck, students had the chance to dine with FM Global engineers, engaging in a Q&A session that offered firsthand insights into career paths in the engineering and risk management sectors. FM Global is the property insurance provider for Fairfax County Public Schools (FCPS), insuring over \$9 billion worth of school division property. Unlike traditional insurers, FM Global only covers commercial properties and is staffed primarily by engineers. Over the past five years, FM Global has collaborated with FCPS facilities teams to evaluate the resiliency of school buildings against fires, floods, and storm damage. The FM Global truck, which travels the country, demonstrates how their engineers assess and test buildings for various risks and highlights the protections they have implemented for commercial properties like those in FCPS.

World Languages:

Korean students at Chantilly Academy were visited by students and teachers from Seoul Digitech High School in Seoul, Korea. Their visit offered a unique opportunity for students to share and compare their experiences as high school students in the US and South Korea.