

UCVTS NEWS

A weekly newsletter brought to you by the Union County Vocational-Technical Schools

VOL. 1, ISSUE 4

5/13/19

Academy for Allied Health Sciences



On Wednesday, May 8th a group of AAHS students will attend a talk from an organ donation advocate. She will speak about her experiences as an organ recipient and advocacy efforts to support organ donation. Students will then get to videoconference with the surgeon who performed the operation, watch video of procedures and have a Q/A with her.

Academy for Information Technology



This week, 58 AIT sophomores will sit for the AP Computer Science Principles Exam. As a requirement of the exam, the students completed two performance tasks. From the College Board, "The Create performance task focuses specifically on the creation of a computer program through the collaborative and iterative process of programming. The Explore performance task requires students to identify a computing innovation, explore its impact, and create a related digital artifact – ex. digital art, video – accompanied by a written response."

Academy for Performing Arts



The Academy for Performing Arts Dance Department is hard at work in preparation for our Mainstage Performance which will take place at Kean University on May 10th. This week, all dancers have been hard at work reviewing dances and meeting with choreographers to perfect their moves. Our technical theatre students are lighting the show and mastering the sounds. We can't wait to share this night of dance with our APA families and the Union County community.

Magnet High School



Students are working on the manufacture of diethylamine (DEA) project using the CHEMCAD program. The Introduction to Chemical Engineering class outlines the use of mass balance, energy balance, and economics in the chemical manufacturing process. CHEMCAD simulates a scaled-up chemical plant in terms of flow, reactivity, extent of completion, recycling, mass, and energy balance. The students in their project validate the values CHEMCAD outputs and apply economics principles to conclude whether or not the manufacture of their product is profitable

Union County Vocational-Technical High School



This week UCTECH's Teacher Education Academy juniors participated in a video chat with the author of their "Teaching" text book, a fifty year plus veteran teacher Sharleen Kato, Ed.D, CFCS-HDFS. Tuesday evening, the Teacher Education Academy held their annual academy showcase where students from grades 9-11 presented their researched careers to our community and parents.

On May 1, two students from UCTECH's School of Sustainable Sciences presented their research projects, at the New Jersey FFA Agriscience Fair, held at the Rutgers Eco-Complex in Bordentown, NJ. The focus of their research were "Minimizing the Contribution of Methane Greenhouse Gas through food waste by Composting" & "Importance of Compost as a Substitute for Soil".

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Union County Career and Technical Institute



The UCCTI Masonry students traveled to a local cemetery to analyze and evaluate the effects of weather on stone. Students also received insight into how different types of stone are engineered, how different stone changes over longevity, and a history lesson in stone use and design.

UCCTI Culinary students are preparing for a competition in Atlantic City at the NJAC conference to be held on Friday. They will be competing against 9 other vocational schools across the state. They will be setting up and creating 350 plated appetizers. The culinary students collaborated on the table design with the Green Construction class, which then built the risers for the table setup.



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