



CLEVELAND CITY SCHOOLS CAREER & TECHNICAL EDUCATION

October 2022

NEWSLETTER

New Faces

This month we are highlighting some new faces in the CTE department of Cleveland High School. These Gentleman came on board for the 2022-23 school year and are already making a big impact! They are covering subject areas of JROTC, culinary, and welding. Read on below for more insight into what these three teachers are doing in Cleveland Schools.



Colonel Thomas Koory- USAF Retired, and is the Air Force Junior Reserve Officer Training Corps (AFJROTC) Senior Instructor at CHS. He served 24.5 years on active duty, ending on 31 July. He served primarily in space and missile operations and held a variety of positions. He is married to his beautiful wife of 26 years, Brandy, and have three grown daughters, Emma, Shelby, and Kayla. In his new role, he has come full circle, because he earned his AFROTC scholarship through the AFJROTC program at Hixson High School in Chattanooga. His goals are to build better citizens, make a positive impact in the lives of his cadets, and help improve our national security by equipping them with the critical thinking skills all citizens need to responsibly participate in our representative democracy.



Daniel Montgomery- Growing up with his family, they lived all over the United States and from that he found that he had a strong passion for cooking. He is a graduate from Johnson & Wales University in Rhode Island with a Culinary Arts and Food Service Management degree with a concentration in Psychology. He has worked about every job that a kitchen may offer, from working in fine dining to catering at Executive Chef level. He has two prior years of teaching at Bradley Central High School and over 20 years of experience in the Restaurant Industry. He hopes to continue to inspire future Chefs and Bakers in Culinary Arts at Cleveland High School. His goal for the CHS Culinary Arts program is to have all his students have successful careers in the Industry and go to Culinary school where they can inspire others to do the same!



Michael Ritchie- He is engaged to his best friend, Paige, and they plan on getting married on March 11, 2023. He transferred to Cleveland High School from Howard School to start the first Welding Program that Cleveland High school would offer. His goals for his students as an instructor would be to prepare them for the workforce and teach them valuable skills that they could use in their future careers. He strives to create real world opportunities, connections, and provide knowledge for the students. His overall goal for the Welding program would be to become the best in the southeast region and to have the students leave here with the skill set to be knowledgeable, responsible, and mature in the workforce.



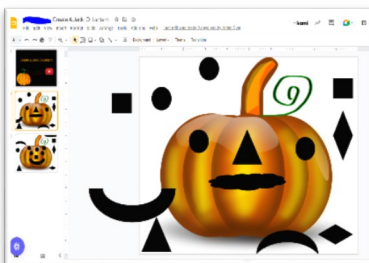
Arnold Elementary School

The first grade students are learning about why the leaves change colors in the fall, about chlorophyll and other pigments in leaves. The students crushed up leaves, added an alcohol solution and paper towel to the mixture. They will check back in a few days to see what pigments have been extracted.



Blythe-Bower Elementary

Students in 5th grade create and demonstrate their understanding of a lunar and solar eclipse.



Candy's Creek Cherokee Elementary School

First graders in Technology Class created Jack-o-lanterns using Google Slides.



E.L. Ross Elementary

Ross students celebrated International Dot Day by becoming chemists! They used chromatography in creative ways to “make their mark.”



George R. Stuart Elementary

Fifth grade students finished their drone unit with a challenge: Fly the drone out and back through a shape in the net without crashing. Students worked in teams of three and completed three rounds with a time limit.



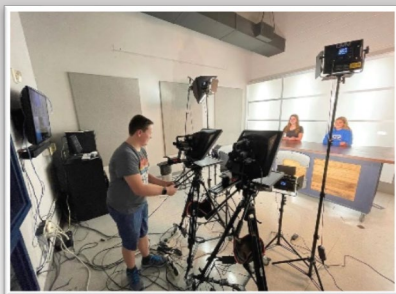
Mayfield Elementary

The fourth grade had fun using MakeyMakeys to learn about open and closed circuits. They also learned what is a conductor or insulator of electrical current. They experimented with various materials to check for conductivity.



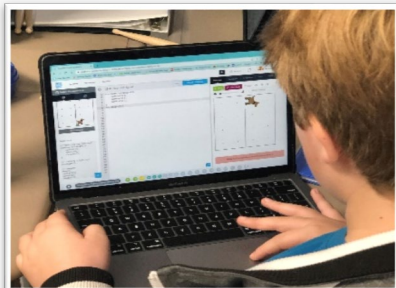
Yates Primary

Second grade students designed and tested parachutes during STEM class. They learned about gravity and air resistance during the STEM process.



Show Production

Raider TV students have taken over producing the morning show. Students take on a role for a two week period, are responsible for their portion of the production, and then they switch.



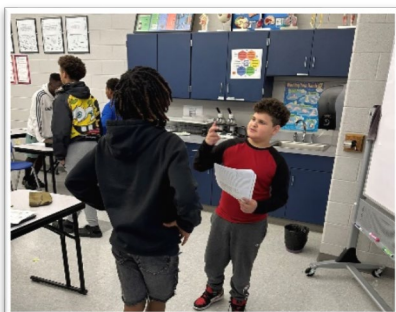
Coding

Codehs is a great way for students to learn the basics of coding. Cleveland Middle School uses it for the students to be able to learn in a fun and interactive way.



Health Care and Ethics

8th grade Health Science students learned about health care ethics and then debated various sides of them.



Medical Testing

Students worked on identifying concussion symptoms and testing their peers in Medical Science.



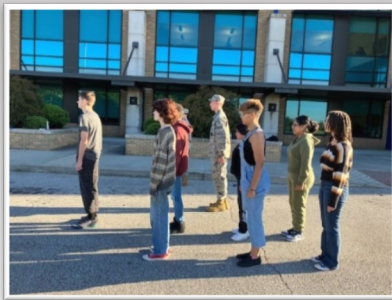
Higher Learning Investment

Tennessee Tech University engineering students visited Cleveland Middle School and showed our students how to program robots. Thank you TN Tech for investing in our students!



Custom Engineering

Engineering students learned about magnets and magnetic levitation vehicles. If it doesn't work, redesign and try again.



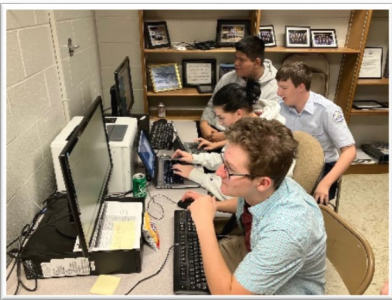
Formation

Cadets took advantage of the amazing weather by practicing marching formation outside and preparing for their first physical fitness test.



Great Way to End

The cadets presented the colors for the homecoming football game and finished up their fundraiser with almost \$10k in contributions. What a great way to end the first nine weeks of school!



Cyber Competition

The cadets participated in the first Cyber Patriot competition.



Jump-Start

Automotive Electrical students learned the correct way to jump-start a vehicle in order to avoid shorting out the ECU, engine control model.



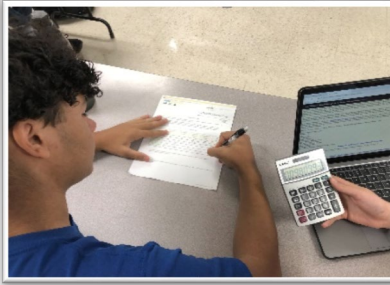
Peer Mentor

Advanced students peer mentored other students on completing a tune-up on a teacher's vehicle.



Persistence

Automotive students worked on a car and got it running that had not ran in over two years. Persistence pays off!



STEM in Aviation

Aviation had some STEM action in learning about power to weight ratios on WWI aircrafts. Clarify and generating solutions across the design thinking map.



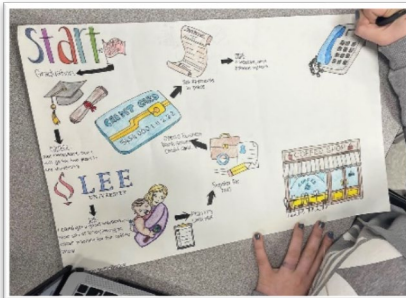
Aviation History

Aviation 1 class is learning about WWII aviation history - Women Air Force Service Pilots and Tuskegee Airmen. Both groups overcame stereotypes, prejudice, and societal norms to open career opportunities previously closed to them.



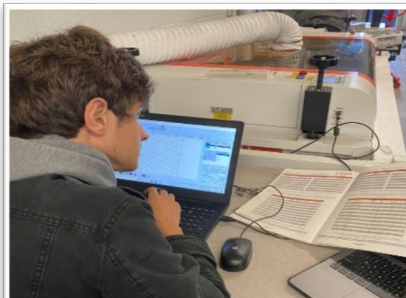
Guest Speakers

Aviation has been hosting guest speakers on careers in aviation. Students have learned more about air traffic control, airline operations, and aircraft maintenance.



Roadmap for Life

The Business Academy students researched their future profession and made roadmaps on how to achieve their goals.



Collaboration

Raider Evolve students are working on upcoming projects in which they are designing and creating logos for industry partners.



Raider Evolve

Our Raider Evolve leadership team held the board of directors meeting last night with our many industry partners. The evening was a great way to hear feedback and update board members on the business progress.

COSMETOLOGY



Health and Beauty

Cosmetology students practice facial massage to promote healthy skin and keep facial muscles firm.



Practice Makes Perfect

Cosmetology students practice clipper cutting.



Understanding the Body

Understanding the bone and muscle structure of the human body helps Cosmetology students use the proper application of services and products for facials and massage.

CRIMINAL JUSTICE



Sketching

Criminal Justice students create crime scene sketches. The students are very artistic!



3D Presentations

Criminal Justice students are working on their Supreme Court 3D information projects. The landmark cases are looking good!



Evidence Board

Criminal Justice students collected "evidence" from around the building to add to their investigation.

CULINARY ARTS



Putting It All Together

Culinary classes are putting things together from what they have learned about the basics in recipes and continue to evolve their culinary arts palate.



Out of the Kitchen

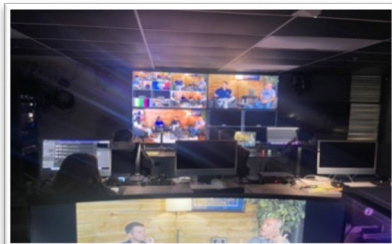
Chef Montgomery attended the 2022 Food & Nutrition Conference & Expo in Orlando, FL. This was first time since the Covid pandemic that it was held. He was able to meet a lot of people in the Restaurant and Culinary Arts world.



Catering to the Masses

Culinary students make the final preparations to serve faculty and staff members of Cleveland High School and the Administration Office.

DIGITAL MEDIA



Broadcasting

Digital Media students produce a CHS Live show.



Media Professionals

Lori Mitchell, from Local 3 News, came to speak to the Digital Media class. She had some wonderful advice for these future media professionals.



Bonding Time

CHS Live students had a cookout for their seniors leading up to the live stream for the last home football game and senior night.



@BLUERAIDERSLIVE



@CHSLIVE



CHSLIVE



CHSLIVE



Communication is Key

Students practice therapeutic communication skills while performing assessments in Medical Therapeutics class.



Dissecting Knowledge

Anatomy and Physiology students apply content to sheep brain dissections.



Raider Rescue

EMS students had hands on practice working on their intubation skills.



Looking Internally

Students in computer science finished their hardware module by opening PC's and inspecting/labeling hardware components. Students enjoyed this hands-on approach to learning how computers work internally.



Community Involvement

Thank you to Mr. Biggers and Mr. Koz from Wacker for speaking to the Computer Science class. Students are creating a project for manufacturing month to present at Wacker in November.



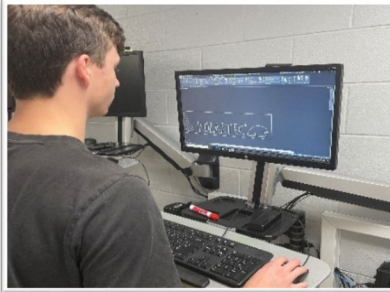
Collaboration

Computer Science Foundations students have been hard at work on their project for Wacker.



Starting Again

Robotics students are disassembling their vex robot kits. They are preparing for the new builds they will construct next.



Manufacturing Week

Engineers at Polartec presented our students an engineering obstacle for Manufacturing Week. Students have been working hard to come up with a solution for this obstacle to present to the Polartec engineers.



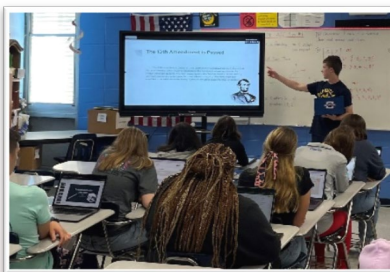
Robots in the Real World

Robotic students were able to tour Komatsu Construction. They were able to witness first hand robots being used to perform various tasks throughout the plant.



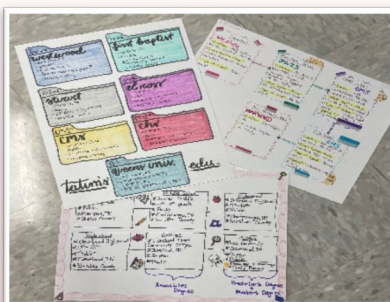
Impacts to the Educational System

Damyah Walker, who is a junior, is presenting her Educational Timeline. Students had to choose 10 events in the history of education in America from 1861-present that have significantly impacted the education system.



Educational Timeline

Josiah Creel, who is a junior, presents his Educational Timeline to the class. This covers Standard 1 and their first portfolio item.



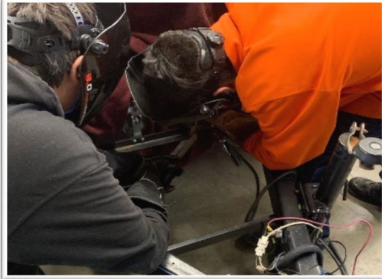
Portfolio

Students completed their third portfolio item, which covers Standards 2 and 4 - U.S. Education System graphic. Teaching as a Profession, TAP, students had to research local school districts and give detailed information from Pre-K through post-secondary education.



Growth

Members of the American Welding Society took time to visit with the welding students. They were proud of how the program has grown significantly in the last year!



Customer Satisfaction

Students are working on a project. The customer wanted the front of his camper changed. A little progress each day adds up to big results.



Touring Potential Future Employer

What a wonderful experience! Some of the welding students had the pleasure of visiting Komatsu Construction. This was such a great opportunity to show the next generation of all the opportunities the world has to offer in this trade.

A Message From The CTE Supervisor

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October 31, 2022

Teaching is a challenging job but the rewards of teaching are numerous. Some of the many benefits include the following:

Experience the Joy of Making a Difference

Teachers get incredible joy in seeing the difference they make as students gain new insights, become more interested in a subject and learn about themselves. Teachers foster creativity, develop character, give students lenses with which to view the world, and provide students with the skills they need to reach their potential and lead productive lives. Many individuals are attracted to teaching by a sense of service because they want to make a clear, tangible difference in the lives of others.

Other Benefits of becoming an educator:

- Being a role model
- Embrace a balanced lifestyle
- Have variety in your career
- Join the school community
- Share your passion

In some areas, a college degree is not required to start teaching. In Career and Technical Education (CTE) many times your business and/or Industry experience is all that is needed to get started in the education field. So, don't hesitate to reach out to a school system to inquire about an open teaching position, especially in the CTE career. Start making a difference today!

Sincerely,

Renny Whittenbarger

Connect with us!

Join us on social media and stay up to date on many of the great things happening here everyday.



@ccscte



@ccscte

Important Dates

November 8

Election Day– Schools Closed

November 21-25

Thanksgiving Break – Schools Closed

December 22-January 4

Christmas/New Year Break – Schools Closed

January 9

Students return to school

January 16

Martin Luther King Day- Schools Closed



Created by Jennifer Higgins