



CLEVELAND CITY SCHOOLS CAREER & TECHNICAL EDUCATION

May 2022

NEWSLETTER

CTE, Preferred and Valued

Ask any group of high school teachers and they will report that the most frequently heard question in their classrooms is, “When are we ever going to use this?” In a traditional college prep program, the honest answer is usually, “Maybe when you get to the university.” But in the real world? Depending on the class, maybe not at all.

However, in high-quality Career and Technical Education (CTE) programs, that question is moot. Students learn skills that will help them prepare for stable careers and success in a modern, global, and competitive economy. A student who wants a future in architecture doesn’t question his first drafting course in high school. One interested in aerospace sees value in her introduction to engineering design class. An aspiring medical professional is enthusiastic, not indifferent, about high school anatomy.

Unfortunately for millions of American students, CTE is not a meaningful part of their high school experience. Instead, they are shuffled through large, bureaucratized schools that do not adequately prepare them for anything, be it college, career, or both.

In large part, this is because CTE has been chronically neglected by American education leaders and policymakers. Many CTE advocates suspect that it’s because of the damaged “brand” of vocational education. And it’s damaged for a reason, as there was a time when the “vo-tech” track was a pathway to nowhere. “Tracking,” as practiced in the twentieth century, was pernicious. It sent a lot of kids—especially low-income and minority students—into low-paying, menial jobs, or worse.

Yet, America is an anomaly. In most industrialized countries—nearly all of which outperform us on



measures of academic achievement, such as PISA and TIMSS—students begin preparing for a career while still in high school. Around the world, CTE is not a track away from a successful adulthood, but rather a path toward it.

American students face a double-whammy: Not only do they lack access to high-quality secondary CTE, but then they are subject to a “bachelor’s degree or bust” mentality. And many do bust, dropping out of college with no degree, no work skills, no work experience, and a fair amount of debt. That’s a terrible way to begin adult life. We owe it to America’s students to prepare them for whatever comes after high school, not just academic programs at four-year universities.

Despite its checkered past, modern CTE—often called “new vocationalism”—is a far cry from vo-tech. No longer isolated “shop” classes for students showing little future promise, CTE coursework is now strategic and sequenced. It entails skill building for careers in fields like information technology, health sciences and advanced manufacturing. Secondary CTE is meant to be a coherent pathway, started in high school, into authentic technical education options, and credentials, at the postsecondary level.

To learn more about CTE, follow us on Twitter [@ccscte](#), or visit our website www.clevelandschools.org.



Arnold Elementary School

The 2nd graders read the book, *Going Places*. They then used the engineering design process to create their own go-carts.



Blythe-Bower Elementary

Students in 5th grade chose a service learning project to enhance our campus as well as attract wildlife. Students used the Bobcat Steps to Design Thinking to create a bird feeder to place on campus.



Candy's Creek Cherokee Elementary School

First grade using the CUBetto coding robots with real blocks.



E.L. Ross Elementary

The 3rd graders learned about different types of pollinators and their importance. They then became pollinators in order to see how pollen is transferred from one flower to another.



George R. Stuart Elementary

To celebrate Earth Day, students at Stuart Elementary wrote code and then tested it with a Blue-bot. They programmed the robots to put trash in the correct recycling bin.



Mayfield Elementary

Mayfield fourth graders used computational thinking to learn a new computer language. They learned how to understand binary coding of numbers and letters. They were able to break a secret code, write their first and last name and write their own secret message using binary coding.



Yates Primary

Mrs. Whitlock and Mrs. Phillips collaborated to help students create habitat reading nooks. Once they were complete they shared them with Mr. Owenby's class. This was a culminating activity for their unit on habitats.



Cleveland Middle Schools Receives STEM Designation

CMS is now a Tennessee Department of Education certified STEM School.



Celebrating Student Achievements

Mrs. Medema is excited to celebrate her student's accomplishments at the CTE Awards Ceremony.



Students Tour Lee University

CMS CTE students had the opportunity to tour the Lee University nursing building! Thank you to our awesome tour guides!



Lee University Guest Speakers

CMS Medical Science welcomed some Lee University students into our classroom for some fun and engaging information on the importance of exercise!



STEM Innovation Summit

Cleveland Middle School teachers enjoying the Tennessee STEM Innovation Summit!



Wright Brothers Training Simulators

Special thanks to Wright Brothers Construction for bringing their training simulators for our CMS Engineering students to try out. We loved it and learned a lot!



Awards Ceremony

Blue Raiders Corps held their annual awards ceremony on May 5. Some great recognition for hard working and motivated cadets.



Change of Command

Change of Command Ceremony on 5/5/2022. Looking forward to a great year ahead. We appreciate the hard work of our outgoing BRC commander.



Preparing for PT Test

Half of 4th block cadets prepare for the 1-mile run portion of their end of semester PT test. Fifteen cadets earned the fitness ribbon and seven cadets earned bronze or silver awards for high overall scores.



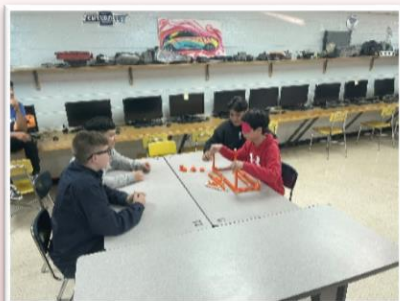
Students Teaching Students

Students teaching students is something Mr. Godwin has always strived for in the automotive classroom. Students teach others how to bleed the brake system.



Students Create Their Resumes

To be an automotive technician it takes drive and these students have it. Pictured are students removing a fuel tank, finishing a brake job and replacing a catalytic converter.



Team Challenge

The entry level students competed against each other on a team challenge PVC puzzle.



Special Recognition

So proud of all our students in Aviation. Special recognition to our annual Aviation CTE award winners. AV1-Mikayla Angere; AV2-Alejandro Jaramillo; AV3-Miguel Escobar; Overall Department Award-Ben Pesterfield.



Elevator Speeches

Looking for a summer job? Aviation students are working on their "elevator speeches" as they get prepared for summer job interviews.



Learning About Landing Gear

Students learn about how landing gear creates drag and slows down a plane. Drag is a byproduct of form, interference, skin, friction, and lift-induced.



Raider Evolve Completes Final Orders

Raider Evolve is all-hands-on-deck to complete all of our final orders for the year. Thank you for supporting Raider Evolve!



Employee of the Week

Congratulations to last week's Employee of the Week, Genavive Pastuch. Genavive works on our business marketing team and has been working on our website.



Raider Evolve Teachers

The dynamic duo behind teaching and guiding the students of Raider Evolve; Mrs. Person and Dr. Saez have over a decade of combined industry experience to bring to students in Raider Evolve. They are a valuable asset to the business and CHS!

COSMETOLOGY



Learning from Industry Partners

Guest hairdresser, Dana Stringer is teaching students how to clipper and razor cut men's hair.



Chemical Hair Relaxers

Cosmetology students are practicing chemical hair relaxers.



Cosmetology Competition

CHS Cosmetology students took 1st, 2nd and 3rd places and the Audience Choice Award in the Vikings Fantasy Styling Competition.

CRIMINAL JUSTICE



Preparing for Final Exams

Students study for a 100 question final exam in Criminal Justice.



CHS Open House

CHS Criminal Justice award winners for Criminal Justice. We had the opportunity to hear from Governor Lee.



Supreme Court Argument

Students found passion about relevant topics and argued strong cases.



Raider Café Caters Event for BCPEF

Raider Cafe Culinary Arts III & IV students catered the BCPEF Teacher's Grant luncheon at Westmore Church of God. Great job, guys!



Catering for New Hope Fundraiser

Raider Cafe students make oreo truffles for New Hope fundraiser dinner. The boys are dicing eggs for BCPEF pesto chicken salad.



Creating Resumes

The Raider Cafe catered the senior dinner at Candies Creek Baptist Church. Jordan, CHS students, served with Chef Rush and Mrs. Gibson.



Cleveland High School Awards Ceremony

CHSLive livestreamed the Cleveland High School Awards Ceremony.



CTE Awards Ceremony

We had our Cleveland High CTE Ceremony with guest speaker, Governor Lee. We can't say enough about all these amazing students in the CTE classes, and the digital media students who went above and beyond this year with all their hard work.



Studio Remodel Completion

With the CHSLive studio complete, you can expect many more great videos from your very own CHS Live crew.



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@CHSLIVE



CHSLIVE



CHSLIVE



Team Leads

Congratulations to our new 2022-23 Ministry of Mechanics team leads. It is going to be a great competition year!



Project Presentations

Our EDD class presented their humanitarian/sustainability projects to local industry and business leaders in a "Shark Tank" event. The projects were critiqued, feedback was given, and 'investments' were made! Congrats to "Blue Raider Cycles" for earning the most investment!



Mock Interviews

Our EDD students had the opportunity take part in mock interviews with leaders from Cleveland Utilities, Olin, RCI, TVA's CADnet, Cleveland's Chamber of Commerce, our own CCS. They received great feedback! Keep an eye out for these future leaders!



Students Pass PCT Certification Test

These clinical internship students worked hard and passed their Patient Care Technician certification test. We had 100% pass rate on the test. They now can work in the hospital as a Patient Care Tech and learn more about the medical field as they go through college.



Pharmacy Lab

Students in Health Science participate in a pharmacy lab.



Presenting Projects

Knox, Elliot, Noah, Claire and Spencer present their projects at the BCPEF Gifts, Grants and Gratitude!



Creating Websites

Think-pair-share in Web Design class allows students to gain peer feedback on their projects. Students are creating their own websites as part of their final exam.



Honoring Hard Work

The I.T. Academy honored these students for their hard work in the program at the recent CTE banquet. Wesley Browder, Maeve Clark, and Vinayak Patel have all excelled in many ways and we look forward to seeing what they do next!



Learning to Manipulate Images

Students in Web Design learn how to manipulate images for their websites using HTML and CSS.



Learning to Use Side Angle Grinder

Welding 1 students were taught how to properly use a side angle grinder. Students learned proper PPE and safety procedures while using this tool.



Celebrating Student Accomplishments

We recognized the reason why Cleveland High School's CTE department is the best around—it's our students who make us shine and who make teaching the most rewarding career around! Congrats students! You more than deserve the recognition!



Learning C++ Coding

Robotics 3 Class students are learning C++ coding. The task they were given was to program the Vex Robotics tank to perform a zig-zag pattern autonomously. This is not an easy task!

A Message From The CTE Supervisor

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May 13, 2022

As I reflect on the 2021/2022 school year, nothing is more rewarding than seeing a student's imagination ignited. We never know what will spark within a child's mind that leads to a passion-driven career choice filled with life-long rewarding experiences. Albert Einstein said, "I am neither clever nor especially gifted. I am only very, very curious." One way curiosity can be awakened in a student is through opportunities. Cleveland City Schools Career and Technical Education (CTE) department strives to give our students opportunities that will ignite the talent within them. As you've seen on the previous pages of this newsletter, Cleveland City Schools CTE classrooms and labs are filled with advanced technologies and equipment. This technology and equipment are a resource to peak the students' curiosity in order to broaden their understanding while cultivating their passion. Our colleges, universities, business and industry sector are the recipients of those talented students who desire to make their mark on society.

Let's continue to fuel their imagination and provide opportunities for all of our students!

Thank you for your support.

Sincerely,

Renny Whittenbarger



Connect with us!

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



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Important Dates

May 20

Abbreviated Day/Last Day of School for Students

May 23

Staff Development – Schools Closed

