



CLEVELAND CITY SCHOOLS CAREER & TECHNICAL EDUCATION

March 2021

NEWSLETTER

Cleveland High School Introduces Cleveland Utilities as Our First CAPS Partnership

Cleveland City Schools entered a partnership with the Center for Advanced Professional Studies (CAPS) this school-year. Center for Advanced Professional Studies (CAPS) programs are nationally recognized, innovative high school programs. Students fast forward into their future and are fully immersed in a professional culture, solving real-world problems, using industry standard tools and are mentored by actual employers, all while receiving high school and college credit. CAPS is an example of how business, community and public education can partner to produce personalized learning experiences that educate the workforce of tomorrow, especially in high skill, high wage, and in-demand jobs.

Students in the CAPS program are mentored by real employers and gain marketable professional skills in an off campus location, such as Cleveland Utilities. This course provides students a challenging, innovative, authentic, experiential learning environment that allows them to discover personal passions. Students develop professional skills that are necessary to thrive in collaborative, innovative and fast-paced environments. Students have the opportunity to work in an internship setting side by side with peers and business leaders, to create a variety of industry and community solutions. Our goal is to continue to grow these partnerships throughout our area in order to give our students a vast array of opportunities to enhance their passion.

Cleveland City Schools is the only school system in Tennessee to serve as a CAPS affiliate.



On Monday, March 1, Cleveland City Schools held a press conference at Cleveland High School to introduce a new partnership with Cleveland Utilities as our first CAPS partnership.

“When we think about leading the way and what the next generation of students should have access to, it is programs like these. When we think about CAPS and opportunities for our students to graduate high school, ready for the career of their choice, that work starts in our K-12 public schools. I am excited, optimistic and thrilled that Cleveland City Schools is leading the way in this work and launching this CAPS program to give all of their students a world-class education with real-world problems to solve. It is a model for the rest of the state.” stated Dr. Penny Schwinn, TN Commissioner of Education.

This partnership will greatly benefit our students. Students will split their school day between credit bearing courses at Cleveland High School and our local business/industry partners, such as Cleveland Utilities. Our aim for this partnership, and through our other initiatives, is to provide our students with a vast array of opportunities for their future. CAPS is yet another way for our students to envision their future.



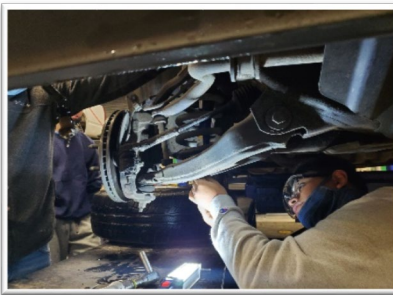
Testing a Battery

Michael is testing a battery on a vehicle. Testing proved it needed to be replaced. Cheap batteries don't last long and cost more in the long run. Replacing them with a top quality battery will extend the life of the battery, starter and alternator.



Learning to Use an Above Ground Hoist

Entry level CHS Automotive Students raise a vehicle with an above ground hoist for the first time. Easy enough to do if all the procedures are followed, yet technicians all over the country are injured due to complacency. There's no room for error when lives are at stake.



Becoming Pros at Changing Shocks

In a perfect world, these guys would have changed these shocks the first time. However, it took seven sets of shocks to get the correct part. They removed and installed this shock four times before the correct shocks finally arrived. You could say they are pros at changing shocks.



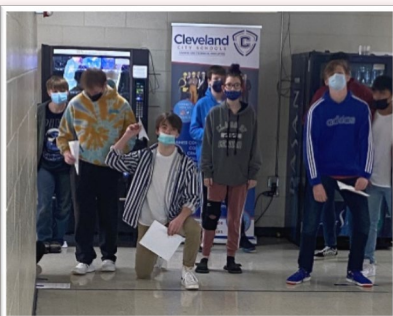
Airport Design Challenge

Aviation students work as a team to construct airports. The Airport Design Challenge gives students the opportunity to design airports based on guidance from FAA aerospace and engineering experts.



Student Rewards

Mr. Conrad rewarded a student for his hard work and commitment to the Aviation program. Who doesn't love an unexpected pizza? Ben has consistently pushed himself in the classroom and in the air to become a better future pilot. Keep up the hard work!



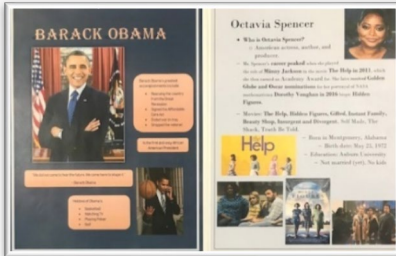
Learning the Four Forces of Flight

Aviation students experimented with paper airplanes and the four forces of flight. Students made control flights and then made adjustments to their planes and how they threw their planes.



Raider Trader Now Selling Cleveland Gear

Raider Trader is expanding their sales. You can get your Raider Gear Tuesday-Thursday and cookies on Friday in the Raider Trader Store. The Business Academy has plans of expanding the Raider Trader even more by 2021-2022 school year.



Black History Month

Students created flyers in Business Class in recognition of Black History Month. Black History Month is an annual observance originating in the United States.



Students Create a No Drug Zone Presentation

Students create a no drug zone presentation. This activity helps students understand how drugs can hurt their bodies. It also helps kids learn how to deal with peer pressure and live a drug-free lifestyle.



2021 Cosmetology Competition

The Cosmetology Competition looked a little different this year. Students had the same tasks and goals as in previous years, but with the unique task of competing virtually. The competition was bridal themed. Students were challenged to create the complete bridal look; hair, nails, and makeup.



Permanent Waving Techniques

Students are learning permanent waving techniques; base direction, wrapping techniques, base placement, sectioning and end paper placement.



Illustrating Structures of the Hair Root

Cosmetology students have created models that illustrate structures of the hair root. Students need to know how and why hair grows and how and why it falls out in order to be able to differentiate between normal and abnormal hair loss. Also, knowing what creates natural color and texture is a vital part of being able to offer a variety of chemical services to clean.

CRIMINAL JUSTICE



Crime Scene Investigations

Why did Mr. Dead die? Students solve a real life case. Students learn how to identify clues using police techniques; they also process evidence in the same manner as law enforcement would.



Students Solving the Case

Students solving a case, making a Grand Jury file for presentation. The prosecutor's responsibility is to advise the grand jury on the law and to present evidence for its consideration.



Preparing for the Mock Trial Project

Students start to prepare for the Mock Trial Project. A Mock Trial can be an exciting learning opportunity for all students and is a rich and authentic way to bring civic education and participation into the classroom.

CULINARY ARTS



CHS Advisory Dinner

Raider Cafe had their advisory meeting. The CHS culinary students got to meet and hear from Culinary professionals about current and Covid-19 practices in the industry.



Cooking for Teachers

Culinary I students, Payton, Lillian and Savannah, cook home fried potatoes for the Raider Café teacher luncheon.



Making Yeast Rolls

Trey, Yasmin, and Ceria show off their potato yeast rolls they made in the Raider Cafe this week. Potato Dinner Rolls are a new twist on an old favorite. They are simple and delicious. Bon Appétit!



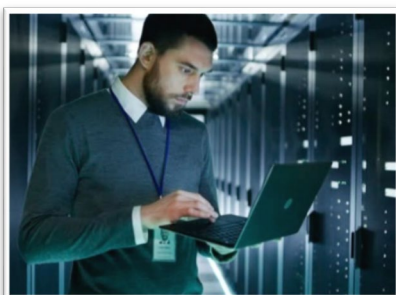
Exploring Cyber Events

Students in Cyber 1 had the opportunity to explore recent cyber events. They created a newscast presentation and did table discussions about their findings. There were some interesting events discovered!



Creating Class Posters

Student-created posters are a time-tested way to get kids to synthesize information visually as well as demonstrate and present learning.



Career Outlook

Students can get a head start on filling the technology gap by registering for Cyber and computer science classes at CHS. The job industry is ready for students to be in this field!



DID YOU KNOW

Tennessee has about 4,100 IT job openings per year and only 1,000 qualified graduates to fill them?



Students Create Commercial for Local Business

Spring is here! And with spring comes some warmer days and what is better than a Pelican's Shaved Ice?! The third community promotional video in CHSLive's Shop Local, Live Local campaign is Pelican's SnoBalls Cleveland, located off of Inman Street.



DMP Students Assist with Cosmetology Competition

Digital Media Production 3 students set up and help out Cleveland High Schools Cosmetology class with their virtual competition.



CHS Student Leads The Team

CHSLive student, Nic, leads the way! The team went over their schedule for the upcoming weeks that is jam-packed with content!



@BLUERAIDERSLIVE



@CHSLIVE



CHSLIVE



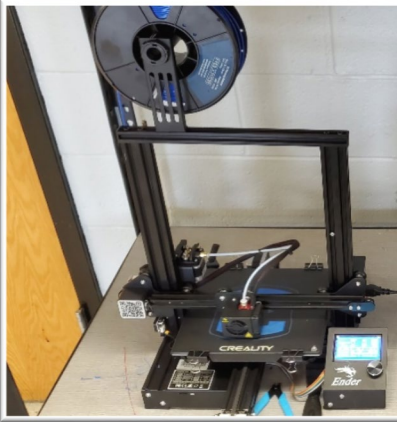
CHSLIVE

ENGINEERING



Ministry of Mechanics Shows Their Support for Grayson

The Ministry of Mechanics team showed love and support for the Moser family by wearing gray on Monday, March 22, in memory of one of their classmates! Our thoughts and prayers are with the Moser family!



Community Grant Funds Equipment for Engineering

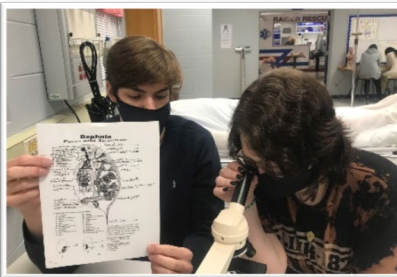
Walmart approved a Community Grant for the Engineering Program at CHS. Mr. Gluckner was able to purchase two Ender 3 Pro 3D printing machines. The printers have been set up and are ready for student use!



Ministry of Mechanics

Our students demonstrated their dedication to Ministry of Mechanics by coming in on their day off to continue to prepare the robot for their "virtual" robotics competition.

HEALTH SCIENCE



Effects of Stimulants and Depressants

Anatomy and Physiology students observe the effects of stimulants and depressants on the nervous symptoms with daphnia.



HOSA Shows Their Support for Grayson

HOSA showed love and support for the Moser family by wearing gray on Monday, March 22, in memory of one of their classmates! Our thoughts and prayers are with the Moser family!



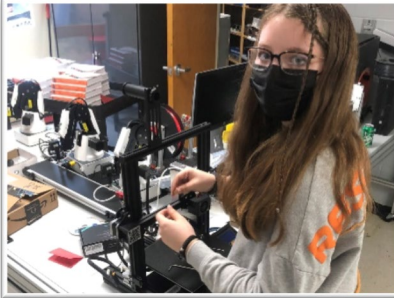
Students Create Emergency Action Plans

Sports Medicine and Rehabilitation students evaluated our athletic facilities and are applying concepts learned to create Emergency Action Plans for our sporting events.



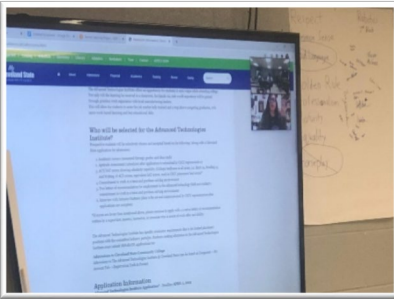
Raider Customs Gets a New Sign Created by Students

Students in School Based Enterprise and Engineering Design and Development show off their skills by creating a sign for Raider Customs.



Student Helps Setup New 3D Printer for Robotics

Skylar Stone volunteered her time to help Robotics setup their new 3D printer. Skylar played a big role in choosing the correct 3D printer, ordering, and setting up. Skylar is very talented with her personal 3D Printer and has created some neat things.



Post-Secondary Opportunities

Marci Reiter of Cleveland State Community College zoomed in and spoke with the Robotics students about Early Postsecondary Opportunities available to them.



Student Receives AFJROTC J-100 Scholarship

Cadet Kendra Edwards is recognized after receiving an AFJROTC J-100 Character-in-Leadership scholarship, a full 4-year ROTC scholarship that includes room & board to her choice of select colleges & universities across the country. Congrats Cadet Edwards!



Lowering the Flag to Half Staff

Cadets lowered the school flag to half staff following an order from President Biden to honor the victims of the Boulder, CO shooting.



Blue Raider Corps Marksmanship Team Wins at Competition

Blue Raider Corps marksmanship team competed in their first event against Ridgeland High AFJROTC. Blue Raider Corps cadets earned top two shooters and won the overall event. Congratulations Blue Raider Corps!

CMS BUSINESS



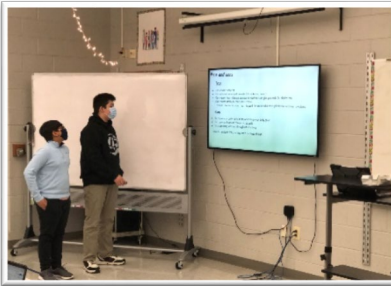
CMS Students Earn College Credit

CMS Computer Applications students took their second Cleveland State exam on Microsoft Excel! They are doing a wonderful job in this unique dual credit class. Can't wait to find out their results!

Computer Applications

6th and 7th grade Business Communications students are working on their video creation skills using iMovie. We are so proud of their hard work and creativity!

CMS MEDICAL SCIENCE



Learning Muscles

CMS Medical Science students gave presentations on diets to keep us healthy! Research has shown that students are able to learn better when they're well nourished and eating healthy meals has been linked to higher grades, better memory and alertness, and faster information processing.

CHS Teacher Visits Middle School Students

Mrs. Krepps, CHS Health Science Teacher, went to Cleveland Middle School to talk to eighth grade students about different opportunities at Cleveland High School.

CMS ENGINEERING



YouScience

Maybe you can quickly do calculations in your head. Maybe you're a really colorful storyteller, a puzzle master or a super detailed planner. Even if you don't realize it, there is a TON of talent. YouScience Discovery brain games match what you're good at (aptitudes) and what you like to do (interests) with in-demand careers for which you have a competitive advantage.

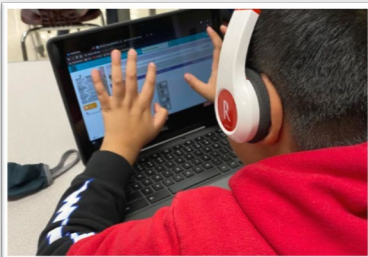
Building Structures and Exploring Shapes

Students build structures using varying materials. Students practice Planning, design, cutting, building and problem solving.



Arnold Elementary School

Students at Arnold did a walking rainbow experiment and learned about capillary action, cohesion, and adhesion. Capillary action is the ability of a liquid to flow upward, against gravity, in narrow spaces. This is the same thing that helps water climb from a plant's roots to the leaves in the tree tops.



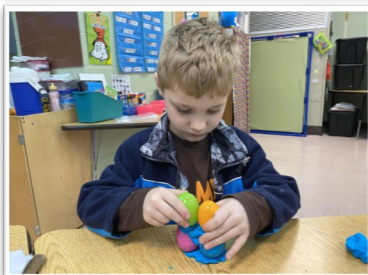
Blythe-Bower Elementary

Students at Blythe-Bower Elementary are learning to code. Coding puts children in control of the computer and through experimentation builds mastery in sequencing skills, counting, problem solving, logical thinking, cause and effect, and critical thinking.



Candy's Creek Cherokee Elementary School

Second graders code BeeBots by themselves and had a great time. Bee-Bots help kids understand cause and effect, directional language and early programming. The robotic bee can carry out 40 consecutive commands—including moving forward & backward and turning left & right!



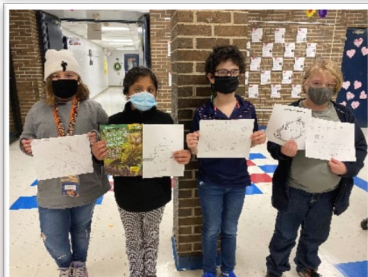
George R. Stuart Elementary

In one activity this month at Stuart Elementary School, students shared strategies for building the tallest tower using plastic eggs and play dough. After a trial and error period, some students tried different strategies for building. Students also made "egg poppers" after they explored how common household chemicals can be combined to make big reactions!



Mayfield Elementary

Mayfield First graders are create algorithms with BeeBots. Bee-Bot is an exciting robot designed specifically for use by young children. The colorful, easy-to-operate, and friendly little robot is a perfect tool for teaching sequencing, estimation, problem-solving, and just having fun!



Ross Elementary

In Library class, Ross students read about the endangered Kakapo bird and how scientists relocated them to a safer habitat. They then used the Engineering Design Cycle to design a safe trap specific to the Kakapo.



Yates Primary

Students at Yates learned how to code their brand new Ozobots this month. The robots were purchased with some of the money that was received this year to build their steam lab.



Anne Person, Business Academy Instructor

Anne Person is a 1993 graduate of Cleveland High School. She received her Associate Degree from Cleveland State. Mrs. Person worked in Marketing for 14 years, then decided to step away from the corporate world to have the same schedule as her kids. She returned to college and received her Bachelors at Bryan College. Mrs. Person is now enrolled at Lee University working on her Masters in Education. She has been apart of the Lady Raiders basketball coaching staff for three years.



Cheri Morgan, Criminal Justice Academy Instructor

After graduating from Lee University, Cheri Morgan went to work for the TN Department of Children's Services investigating child abuse. Four years later, she went to the TN District Attorney General's Office as a State Investigator for several years. After a short time at a private law firm, Mrs. Morgan came to Cleveland City Schools in July, 2007. She stated that it has been her privilege to work for the Cleveland City Schools Career and Technical Education Department as a Criminal Justice teacher.



Clyde Rush, Culinary Academy Instructor

Clyde Rush started his culinary passion at the age of nine cooking for his grandfather. He started working professionally at the age of 15 years old at a family restaurant. He then went on to the Culinary Institute of America where he received his AOS degree. Mr. Rush worked in the industry for many years as a sous chef/executive chef/private chef/manager/and as a small business owner. He started his teaching career in 2001, in a near by high school and started up three culinary arts programs with CHS being the most recent. Mr. Rush stated that he loves having his young culinarians be able to stand on his shoulders and look further than he has.



Dr. Megen Saez, Cybersecurity Academy Instructor

Dr. Megen Saez has an earned Bachelors of Science degree in Computer Information Systems with a minor in Business, a Masters of Science degree in Computer Information Systems, and a Doctorate of Management in Business, Management and Organizational Leadership. She has experience in consulting IT, and leading in various business projects for organizations. Dr. Saez also serves on the National Baldrige Board of Examiners at NIST where she works with other industry experienced leaders to evaluate organizations for excellence in the realm of Cybersecurity. When not working, she enjoys traveling and spending time with her family. Her greatest success in life are her three children.



Tim Smith, Robotics Academy Instructor

Tim Smith started his electrical career at the age of 18. He enrolled in the electro/mechanical technology program at Cleveland State because of his interest in the field of electro/mechanical technology. After his schooling, he worked for many years at a local electrical contracting company then moved to a local industry facility as a plant electrician lead. After several years as the plant electrician, Mr. Smith was moved to the Operations Supervisor position and was in that position when the facility was closed. Mr. Smith applied for a job position with Cleveland City Schools as lead electrician position in 2009 and was awarded the position. He was in this position for a total of 10 years. Mr. Smith's most recent endeavor has been a transition into teaching the world of Robotics. Mr. Smith stated that even though it has been quite the transition, it has been the most rewarding career choice to date.

A Message From The CTE Supervisor

March 31, 2021

The Importance of Course Selection

As we enter the time of year where students choose their elective courses and focus area, it's crucial we educate students and parents about Cleveland City Schools Career and Technical Education (CTE) course offerings. Cleveland City Schools is fortunate to offer a robust CTE course selection for our students, consisting of 77 CTE course offerings. To see our CTE course offerings, visit www.clevelandschools.org/cte.

What CTE offers is an opportunity for students to gain, not only knowledge about an occupation, but to actively engage in hands-on experiences in the classroom and/or worksite. These hands-on activities are heightened by using actual equipment/technology as seen in the real-world. Depending on the class you choose, you may be building a robot in one class, performing the tasks of a licensed cosmetologist, learning how to become a better citizen in our JROTC program, practicing nursing or sports medicine skills, role playing being a judge or lawyer, preparing a gourmet meal in culinary arts, creating a business plan, learning about digital media, learning how to repair a car, preparing to become an airline pilot, learning how to identify hackers, and more. Not only do CTE courses count for graduation requirements, but they give you an opportunity to experience the reality of your passion.

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

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Important Dates

April 2

Easter Break
Schools Closed

April 27

CTE Banquet

May 21

Last Day of School for Students
Abbreviated Day

