



CLEVELAND CITY SCHOOLS CAREER & TECHNICAL EDUCATION

December 2023 - January 2024

NEWSLETTER

Air Force Junior Reserve Officer Training Corps (AFJROTC)

High-quality career and technical education (CTE) programs embed collaboration, critical thinking, and global citizenship into their curriculum. These core tenants also make up the work of cadets enrolled in a Junior Reserve Officers' Training Corps (JROTC) program. CTE and JROTC, alike, center the student experience with the goal of teaching technical and employability skills.

AFJROTC provides citizenship training and an aerospace science program for high school students. The program explores the historic and scientific aspects of aerospace technology and teaches high school students self-reliance, self-discipline, and other leadership characteristics. The AFJROTC program is open to 9th-12th grade students who are citizens of the United States, and not chartered as a recruiting program for the military services. Those students who participate do not incur any obligation to the Air Force.

AFJROTC objectives are to educate and train high school cadets in citizenship and life skills, promote community service, instill a sense responsibility, develop character, leadership, and self-discipline through education and instruction in the Air Force's core values of Integrity First, Service Before Self, and Excellence In All We Do.

In JROTC, there are Leadership Development Requirements (LDR) which are school-approved teams and JROTC sponsored events. These events are not a mandatory requirement of enrollment, but a part of the program that cadets enjoy most. They include drill team, color guard, marksmanship, and cyberpatriot.



Cleveland High School's AFJROTC Instructors:
MSgt Chris Berney (left) and Lt. Col. Paul Conroy (right)

Cleveland High School is fortunate to have two highly decorated instructors for the AFJROTC program. Our newest instructor, Lt Col Paul Conroy, USAF (ret), joined the JROTC program in November 2023. He has lived in 11 states over his 31-year military career but is happy to be back in his native Tennessee. He has three children - the youngest is a junior at Cleveland High School.

Our other instructor is MSgt Chris Berney who joined CHS in February 2023. After basic training, his experience involves Aircraft Hydraulic Technical school after which he worked in two states in that field. He then went on to the Tennessee Air National Guard for several years before retiring. He has been married 26 years, has 2 kids and 2 grandchildren.



Arnold Elementary School

We held a schoolwide design challenge where students were asked to design a sled/sleigh using recyclable materials. We held a contest for all participants to see whose sled could travel the farthest distance.



Blythe-Bower Elementary

Kindergarten students took Christmas Gifts and sang Christmas Carols at the Bradley County Healthcare and Rehabilitation Center to give back to the community for their service-learning project.



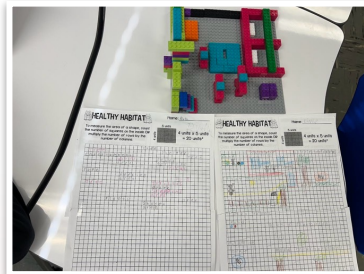
Candy's Creek Cherokee Elementary School

First grade learns about space and astronauts at the Challenger Center.



E.L. Ross Elementary

E.L. Ross students participated in a winter at home STEM Challenge. Students chose materials to build a shelter for a snowman to withstand a winter wind storm. Their creativity resulted in some great designs.



George R. Stuart Elementary

Second graders at Stuart Elementary used the design process to plan a healthy habitat for a gorilla. They collaborated with a partner to build a prototype of their habitat design which combined elements of each plan.



Mayfield Elementary

Third grade students were given the task to create a marble maze using the Steps to Design Thinking using building blocks and a building plate. The object is to build the maze to get the marble from start to finish. The students presented their mazes to their class.



Yates Primary

The members of the STEM club worked with the Wicked Wood company to create bird feeders for our school. Students used many tools and sandpaper to create bird feeders that will be maintained by Yates students in all grades.

CMS BUSINESS & COMPUTER SCIENCE



Business

Students worked together to design and color ugly Christmas sweaters.



Coding

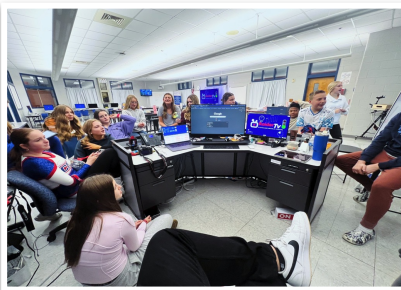
Computer Science students are using Codehs to be creative and create a project on their own.

CMS DIGITAL MEDIA



Digital Media

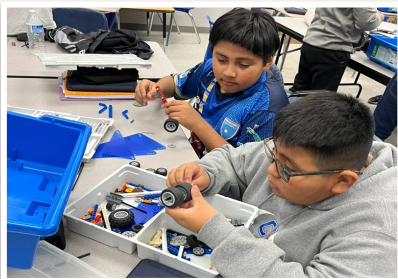
Digital Media students have been hard at work recording shows and creating graphics for school wide promotional events. Students pictured here recorded a video about athletic events happening at CMS.



Raider TV

It's a new semester which means a RaiderTV planning meeting. We are looking to make our content better this semester to really showcase CMS and adding a few surprises this semester to make it more interactive.

CMS ENGINEERING



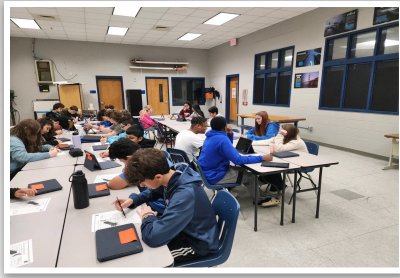
Vehicles of Learning

Students used Legos to design vehicles and learn how friction slows movement.



Learning New Skills

Students learned some of the 5S Workplace by sorting and labeling equipment. Others are learning hands on band saw training.



Learning the Basics

Students at CMS are plotting coordinates and learning basic CNC programming.



Programming

CNC Mill is hooked up! Students are now programming on the CNC and running graphics to check programs for errors.



Virtual Field Trip

Using the new Virtual Reality equipment, this 6th grade Medical Science class takes a VR field trip into the human body by way of the mouth.



Hands On Learning

The 8th grade Health Science class is learning hands only CPR. They use various songs to help keep them in rhythm.



New Year

The Marksmanship team competed in an unofficial competition at Ridgeland High School. The students worked hard and did a great job!



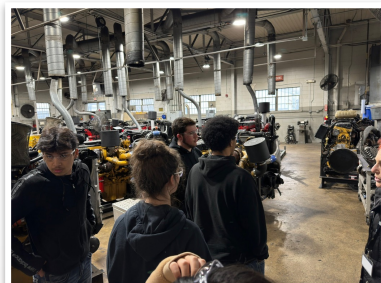
Teamwork

The Cadets had a competition at Bradley High School. Both schools competed in marksmanship and raider events. The Blue Raider Corps teams are still learning to work as a team but pushed themselves and came in second.



Competition

The Blue Raider Corps Color Guard team competed at Red Bank High School and placed third out of 17 teams.



Post-Secondary Options

Automotive Seniors Explore Post-Secondary Opportunities at Lincoln Tech in Nashville. This school was formerly NADC and is the oldest Automotive/Diesel School in the Nation.



Next-Step Options

Automotive Students explored Post-Secondary Opportunities with Tulsa Welding School from Jacksonville, Florida. It is the largest welding program in the country with additional locations in Tulsa, Dallas, & Houston. Tulsa also offers programs in HVAC, & Electrical which could benefit our automotive students.



Routine Work

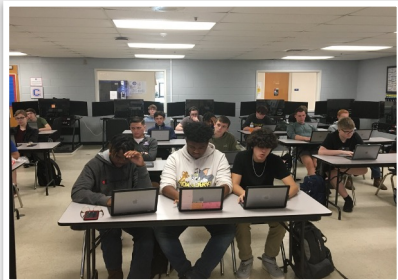
Auto II Students worked on a heavily corroded battery. This corrosion could potentially destroy the battery, alternator and starter. Although this is routine maintenance, it very well could have been a catastrophic failure.

AVIATION



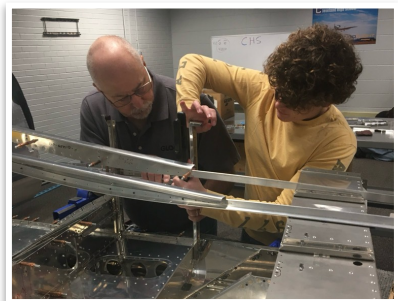
Tango Flight

Students in Tango Flight are working on the structural pieces of the fuselage with the assistance of the community mentor volunteer.



Aviation Studies

Aviation level II study multiple airport categories, data, diagrams and charts that are unique to Aviation.



Hands On Learning

Tango Flight students work on the cockpit and rudder pedals.

BUSINESS



Community Involvement

Thank you to the staff of Bradley Cleveland Community Services for allowing the Future Business Leaders the opportunity to give back to our community by helping prepare the USDA Commodity Distribution.



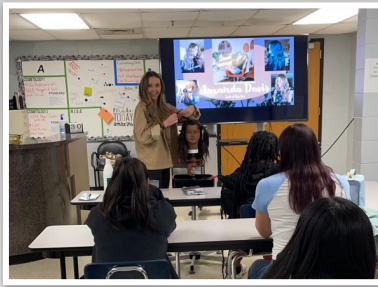
Great Results

Raider Evolve students were thrilled with the outcome of the Culinary Club T-shirts they made.



Business Plans

Business Students are working on business plans by creating plans for a food truck. We cannot wait to show the final products from our smart and creative students.



Next Level Skills

Cosmetology students had the pleasure of being taught by Amanda Davis. She showed us some beautiful face forming techniques that will take their highlighting skills to the next level. She also introduced us to an amazing all-natural color/product line.



Field Trip

Cosmetology students went on a field trip to Cosmo Prof for a scavenger hunt. Experiencing the vast array of products and tools firsthand can spark curiosity and excitement about careers in cosmetology.



Color Theory

Students learn how understanding the color wheel will help better understand color theory so you can better predict how specific colors will mix together and how to avoid results you weren't expecting.



Evidence

Criminal Justice blood spatter 102. The students identify the blood evidence. They had lots of messy fun with this project.



Crime Scenes

Criminal Justice students learned about and document what they see at a crime scene.



Crimes and Courtrooms

Criminal Justice level I students learn about crimes and courtroom jobs.

CULINARY ARTS



New Equipment

Culinary students prepared meat and put it on the new smoker/grill that will be served at a faculty luncheon.



Design and Build

Culinary Arts level 1 students have been working on building and designing gingerbread houses. They did a great job and were very creative!



Catering Competition

Culinary Arts students prepared and served the meal for the CHS Automotive competition.

DIGITAL MEDIA



Professional Debut

CHS Live is making us look good again! Students and Mr. Halfacre live streamed the games of the Chattanooga Football Club during this season. The club showed up to present our digital media crew with a plaque of appreciation and showered them with kind affirmations.



Rising Students

Our doors were open for our 8th graders and their families during Raiderpalooza. It was an honor to meet future digital media students and talk to them about the opportunities at Cleveland High.



Podcast

Digital Media students have been working to record a podcast. They interviewed college-level athletes for the show.



@BLUERAIDERSLIVE



@CHSLIVE



CHSLIVE



CHSLIVE



Dissection

Anatomy and Physiology students learn the anatomy of the brain by dissecting a sheep's brains.



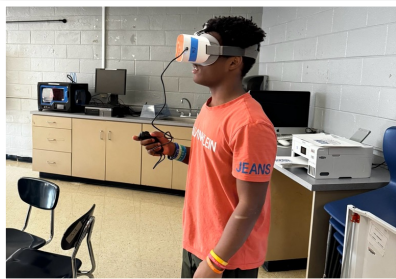
Practicing Skills

Medical Therapeutics students practicing their Glasgow coma skills assessment. They learn how to do a head-to-toe assessment.



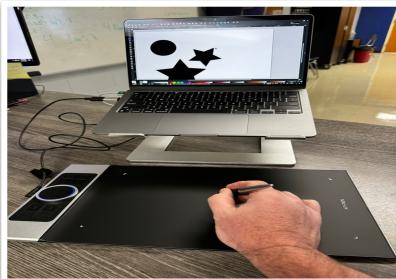
Lab

The Pharmacy students have been working on chapstick lab. They follow the method of weigh, measure, heat, and pour.



Virtual Reality

Computer Foundations students were able to test out the ClassVR headsets. Soon they will utilize these for various projects, in addition to allowing other teachers to check them out for their own classes.



Learning New Things

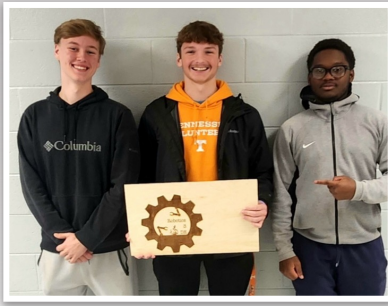
Learning new technology to incorporate in classes. It's not just the students learning new skills. Excited to find uses for digital art pads in Computer Science and Raider Evolve.



Future Options

Tulsa Welding School spoke about welding, HVAC, electrical trades and job opportunities that students can take advantage of. There are lots of opportunities for all students.

ROBOTICS



Classroom Designs

Robotics Engineering students have been creating a design for their class. These designs were printed on the Glowforge laser printer.



Using Their Imagination

Robotics/Engineering 4 students were challenged to build a Omini-Directional X-Frame Robot. The students didn't have any build instructions other than to use their imagination.



Programming

Robotics 2 students are learning Vex Robotics V5 programming. Students were challenged to write a code that would guide their robot autonomously along a specific path.

WELDING



Competition

Welding students have been working hard in class and after hours to perfect their welds for upcoming competitions.



Learning Procedures

Welding students have been learning about 5S procedures and making safety adjustments in the welding shop.



Career Options

Welding students visited and toured the UA Local 43 in Chattanooga, TN. The seniors were able to learn about career options available through their apprenticeship program.

Important Dates

Cleveland High School CTE

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February 19

Presidents' Day- No School

March 5

Staff Development- No school

March 11-15

Spring Break- No school

March 29

Good Friday- No school

April 1

Staff Development- No school

May 10

Graduation



Connect with us!

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



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Created by Jennifer Higgins