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2024 - 2025 : Quarter 3 Edition

The Official Newsletter of CWCTC

CENTRAL WESTMORELAND  
Career & Technology Center  
New Stanton, PA

[cwctc.org](http://cwctc.org)

## AN EVENING OF HANDS-ON LEARNING AT 4TH ANNUAL ELEMENTARY NIGHT

CWCTC was excited to host another engaging and interactive event designed to spark curiosity and creativity. This special evening invites elementary students and their families from our ten school districts to explore hands-on activities led by our skilled CWCTC instructors.

From exciting experiments to creative projects, students had the opportunity to immerse themselves in a fun and educational environment. Our goal is to provide a family-centered experience where learning comes to life through interactive demonstrations and activities tailored for young minds. **PQ** 🦋



## 2025 CAREER DAY FOCUS: EXPLORING ENDLESS POSSIBILITIES



**PQ** 🦋 **PHOENIXQUARTERLY** is a production of the CWCTC Multimedia Design Technology Program of Study  
News Article Contributors: CWCTC Student Ambassadors from each of our nineteen Programs of Study who also attend one of our ten sending School Districts.

Instructor: Mrs. Jessica Lingsch







## WELDING SENIORS PREP FOR EXAM WITH COMPREHENSIVE THEORY AND SKILLS TRAINING

In Welding and Metal Fabrication with Mr. M. Sidun and Mr. D. Sidun the senior class has started preparing for the NOCTI exam. Preparing for the exam consists of a review of all theory lessons along with hands-on practice for the skills portion of the test. We will cover Gas Metal Arc Welding, Flux Cored Arc Welding, Shielded Metal Arc Welding, Gas Tungsten Arc Welding, and Oxy-Fuel cutting. The A.M. students are currently covering Oxy-Acetylene cutting also known as Oxy-Fuel cutting, along with learning the theory. They are being graded on their hands-on ability with the process. With all of this both A.M. and P.M. students are also working to fulfill their task lists.

## SPORTS MEDICINE STUDENTS STUDY CIRCULATION, INJURY CARE AND NOCTI PREP

First year students recently completed a lesson on the cardiovascular system, primarily the pathway that blood takes during cardiopulmonary and systemic circulation. Students also learned how to measure and record the vital signs of pulse, blood pressure, and respirations. We are now learning how cryotherapies and thermotherapies affect blood flow and how they are used to treat common injuries in sports. In the PM session, students have reviewed how to evaluate for ankle and knee injuries by examining the anatomy and special tests of each, including bone, ligament, and muscular anatomy. Our seniors are working hard on practicing for the NOCTI Skills Exam coming up in April. These skills include ankle taping, crutch fitting, knee range of motion and strength assessments, PRICE, and palpation of various anatomical structures.



## ROBOTICS ENGINEERING & MANUFACTURING CRAFT VISE STOPS WITH CNC AND MANUAL TOOLS

During the third quarter of the 2024 - 2025 school year REM worked on a project that involved machining several different components that made vise stops for our fellow classmates to use. During this process we used three different machines including a CNC mill, a CNC lathe and a manual lathe. We used fusion 360 to reverse engineer and draft parts from a provided sample. We then programmed and used precision measuring tools to ensure product accuracy.



## LOOKING AHEAD at CWCTC

**MARCH 14** 4th QUARTER BEGINS  
**APRIL 17 -21** SPRING BREAK - No School  
**MAY 12** SENIOR RECOGNITION CEREMONY

**MAY 19** NEW STUDENT OPEN HOUSE  
**MAY 26** MEMORIAL DAY - No School  
**MAY 30** LAST DAY OF INSTRUCTION

## SERVICE OCCUPATIONS STUDENTS BUILD SKILLS IN HOSPITALITY AND JOB PREP

During the third nine weeks, AM Service Occupations students completed custodial tasks and began learning front-of-house dining responsibilities. They enhanced their retail stocking skills in the student snack store and delivery of food items. Additionally, they managed the aluminum can recycling program for the school. The afternoon students prepared snacks for staff during CTE Month, practiced knife skills with fruits and vegetables, and explored the nuances of quick breads. They also focused on job preparedness by completing applications and resumes. Both classes delved into the development of essential soft skills.



## R & D TACKLES PROJECTS, FIELD TRIPS & NOCTI PREP

In the third quarter in Restoration and Design AM and PM are busy with projects, as well as working together on field trips. In the AM the students just finished the paint failures chapter, finishing up the Grow Westmoreland field trip with PM, they are now also starting to work on drywall, and lastly working in the pod area. For the PM students we are finishing up faux finishes and fixing up work downstairs by Cosmetology and Health Occupations hallway. As far as certifications go we are starting to work on OSHA-10, OSHA-30, and soft skills training. In both AM and PM classes we have an upcoming field trip to go to the Queen of Angels and A Father's Heart. We wish the PM seniors good luck as they study hard going into the NOCTI testing that is right around the corner.

## PROTECTIVE SERVICES STUDENTS TRAIN IN VEHICLE RESCUE, TRAUMA AND TEST PREP

Currently, second year students are working on Basic Vehicle Rescue. First, rescuers stabilize the scene, stabilize the vehicle then stabilize the patient. Students started with a vehicle on all four tires and progressed to a vehicle on its side then its roof and finally a car on top of another vehicle. Students are starting patient extrication this week where as a group, they stabilize the vehicle, once the vehicle is stable, the inside rescuer is allowed to get into the vehicle to assess and assist with the patient. Students work together to ensure c-spine immobilization to get the patient on a long back board. Later in the month, we will be starting tool lab. Third year EMT students just completed medical scenarios and are moving onto trauma. Many third year students are out at EMS stations completing their ten patient contacts required for the National Registry EMT program. Students are also practicing for NOCTI performance at the end of the month. The third year students are taking their hands on practical test at EMS West the first week in May.





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## POWERLINE SENIORS TRAIN WITH POLE RESCUES, TRANSFORMERS AND LINE WORK

The seniors have been working on pole top rescue, transformers, and material identification. These are all things that the students must know for the NOCTI exam. We have worked inside the last two months and recently have been outside running the bucket trucks and climbing. Our students have been working on building a three phase line.



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## HVAC STUDENTS BUILD AND CONNECT HEAT PUMP SYSTEMS

In the third quarter, second- and third-year students have been working on heat pumps. They begin by crafting returns and supplies from sheet metal, then assembling them onto the furnace. Next, they complete the necessary wiring before connecting the heat pump to an AC unit by brazing two copper pipes. Seniors are also busy preparing for the NOCTI performance skills test coming up this spring.



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## MULTIMEDIA DESIGN TACKLES WEB DESIGN, CODING, AND CERTIFICATIONS

Multimedia students have been busy this quarter. There have been many lessons overlapping; including but not limited to website design, coding and motion graphics. Third year students have also been juggling extra tasks like earning OSHA and Adobe certifications. The NOCTI exam is taking place throughout the month of March. Time for the seniors to prove their skills! We are looking forward to the final quarter as we slowly wrap up the school year.



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## HEALTH OCCUPATIONS PREP FOR UPCOMING TESTS & FUTURE CAREERS

The Health Occupations students have been putting in an incredible amount of effort this quarter, staying on their feet and working non-stop to prepare for the NOCTI exams and ensure everything is in place. Along with this, we've been focused on developing new skills, especially for our second-year students, to help them build a solid foundation for their future careers. Every day brings a fresh opportunity to learn something new, and we're making the most of each moment. Whether it's mastering new techniques or refining existing skills, there's always something exciting to discover in Health Occupations. What stands out most is the dedication of every student—everyone is giving their best and striving to do things the right way. In this environment, no one falls behind, as we support each other to succeed together.



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## ELECTRICIANS HONING PHYSICAL LABOR SKILLS



In Quarter 3, Electrical Technology students focused on hands-on skills, safety training, and exam preparation. They engaged in conduit art projects, bending and installing conduit creatively to improve precision and technique. Students also worked toward earning their OSHA 10 certification, gaining vital workplace safety knowledge. In preparation for their NOCTI test, they practiced technical skills, ensuring readiness for this key industry assessment. Additionally, they honed their physical labor skills by digging trenches by hand for PVC underground installations, reinforcing real-world job site experience.

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## AGRICULTURE & LANDSCAPE STUDENTS DESIGN, GROW AND COMPETE



The Agriculture and Landscape Design class has had a busy and productive third quarter. The Phoenix Falls project is well underway, with completion expected by the end of the 2024-25 school year. In the greenhouse, plants are in full bloom and ready for the FFA Annual Plant Sale on May 15 and 16 during school hours (8:15–10:15 AM and 12–2 PM). This year's selection includes hanging baskets, vegetables, ornamental plants, and more. Despite weather and material delays, Ag students are also gearing up for FFA Competitions at Penn State, focusing on Career Development Events.



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## CONSTRUCTION TRADES: BUILDING REAL-WORLD SKILLS

PM Electrical & Plumbing in Construction Trades is more focused on group work. Each group of two to three kids works together to build a working bathroom starting with the plumbing, drywall, painting, electrical, and tile. In the all-year part of the class, we have continued working on our house project, getting all the electrical and plumbing finished up. We put in insulation to code specifications as well as started hanging drywall on the ceiling and walls. Construction Trades just rotated to allow for students to gain knowledge in all three fields, opening unlimited opportunities for students. AM students are mainly focused on individual work.





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## COSMETOLOGISTS PERFECT THEIR CRAFT AND GIVE BACK

AM Level 1 Cosmetology students have been busy working on manicures, pedicures, perming, tinsel application, and theory work to go along with these salon services. Theory includes nail disorders and diseases, nail infections, sanitation, and the chemistry of permanent waving. Some of our SkillsUSA students are preparing for the American Spirit competition at Hershey. We also painted Mardi Gras masks to practice theatrical makeup applications. Finally, Ms. Shuglie's class is currently learning clipper haircutting techniques to prepare for a cut-a-thon against cancer event at Seton Hill University this spring.

PM Level 2 Cosmetology students have been working on sew-in hair extensions, acrylic nail applications, spring wedding formal hairstyles, special effects hair color techniques with foils and toners, as well as designing salon retail displays to add to their portfolios. Level 3 Cosmetology Students have been busy preparing for Nocti and State board Cosmetology exams in addition to some of the lab assignments mentioned above. Some of our SkillsUSA students are preparing for competition with the Opening and Closing Ceremony at Hershey. All PM students have been working very hard during our clinic on Fridays with hair coloring, haircutting, and various salon and spa services. Finally, Ms. Shuglie's class is preparing for a cut-a-thon against cancer event at Seton Hill University this spring.



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## CIS STUDENTS UPGRADE SETUPS & ADVANCE IN CERTIFICATIONS



Computer & Information Science students have switched out eight desks and fitted them with new gaming-type setups. Everyone is finishing up their certifications with second years working on PC Pro, and third years either working on Network Pro or Security Pro. Seniors are also preparing for their NOCTIs, which includes making ethernet cables and using Microsoft word. First year students continue to work on coding.

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## AUTO TECH GAINS HANDS-ON EXPERIENCE IN ENGINE AND BRAKE WORK

During the third quarter, we have been tackling various projects, including timing an engine and beginning an engine swap in a GMC truck. In preparation for the NOCTI written and performance exams, students have been practicing fuel pressure testing, machining brake rotors, and mounting, dismounting, and balancing tires. Additionally, we've been working on obtaining our 609 certification to purchase bulk air conditioning refrigerant.





## Q3 CULINARY ARTS: SUCCESS AND GROWTH

In the third quarter of Culinary Arts this year, we have been working on a variety of different projects. There were many students that competed this year who enjoyed the rewards and satisfaction. We have been working on group projects and individual work. Everyone is working hard to get things completed and they are working to their potential. I believe that our class will advance in accomplishments by quarter 4. There are so many opportunities for students in this career path. Our instructors are teaching us well to help us achieve our goals



## ASPIRING EDUCATORS PREP FOR STATE COMPETITION



In Quarter Three of the Aspiring Educators Program, Year 2 students began their second practicum experiences, working closely with mentor teachers in their classrooms. This hands-on experience provides valuable insights into classroom management and teaching techniques. Year 1 students focused on tutoring 3rd and 4th graders at Stanwood Elementary, an opportunity that helps develop their instructional skills and build meaningful connections with students. They also participated in Dr. Seuss day planning/reading and fun! Both Year 1 and Year 2 students also dedicated time to preparing for the upcoming Ed Rising State Competition at Penn State University, where they will compete with fellow aspiring educators from across the state. This quarter was filled with hands-on learning and opportunities to showcase their teaching skills.



## AUTO COLLISION STUDENTS BUILD FABRICATION SKILLS WITH CJ2A JEEP PROJECT



In the third quarter year 1 students have been working on fabrication skills. Our class has been working on a 1946 CJ2A Jeep that will become a hot rod for our school. The students have successfully created a new floor and numerous panels to put the jeep back to original condition. This project has been a great way to introduce fabrication as well as welding, creating a great foundation to continue building their skills. Also Please MARK YOUR CALENDARS . . . the Auto Collision Class is planning a Car Show on Saturday, May 17 from 10 AM - 2 PM. See additional information ➡





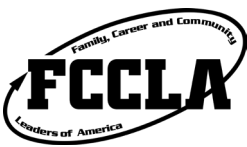
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## CAREER & TECHNICAL SERVICE ORGANIZATIONS

*“Student organizations allow you to gain leadership experience, learn new transferable skills, build your own resume, and get involved in your school community.”*

# Spotlight

## CWCTC CULINARY CLUBS: SHAPE FUTURE LEADERS THROUGH SERVICE, COMPETITION, AND LIFE SKILLS



### CWCTC - FCCLA & PA ProStart Clubs

Both the FCCLA (Family, Career & Community Leaders of America) Club and PA ProStart Club is open to students enrolled in the Culinary Arts program at CWCTC. Members work on service projects, prepare and participate in local, state and national level competitions and events within their class curriculum. Membership expands their leadership potential and develops skills for life –planning, goal setting, problem solving, decision making, and interpersonal communication as well as their culinary skills.



## INTERACT OUTDOORS



## CWCTC INTERACT OUTDOORS: SERVICE, ADVENTURE, AND COMMUNITY CONNECTION

**Interact Outdoors** The CWCTC Interact Outdoors Club is sponsored by the Mount Pleasant Rotary. Members participate in our school and the community through service projects, fundraisers and various outdoor activities such as fishing, hiking, conservation and more. Free membership is open to any CWCTC student regardless of program or grade level. Those with service project requirements for graduation may earn service project credit hours through membership in this club.