

News

from the *Director*

VOLUME V, ISSUE II

OCTOBER 2017

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In the Field with Field Biology at CCTI

On September 14th, 2017, thirty five biology students attended a field trip to Foothill Farm, in Lehigh. Mrs. Conway, their instructor, is on the LCCC Sustainability Committee with the owner of the farm, Peter Salerno and son, PJ Salerno who had worked together to make this opportunity happen. While on the farm the students gained knowledge in the areas of soil and land management, harvest, production, packaging, and marketing. The class is currently working on a forestry unit in class and got to learn first hand about what it's like to plant several thousand pine trees, survey the land with the school drone, and work on weed management. While on the farm, students were able to interact with chickens, pigs, and a rabbit, harvest and clean nearly 600 pounds of potatoes, as well as participate in the fall festival activities like the 5-acre corn maze. Our students were able to gain knowledge while giving back to a local small business within our county.



(con't)



In the Field with Field Biology at CCTI (continued)



Picking and cleaning potatoes



Corn Maze



A Moment to Relax



Ms. Thumper



(con't)



In the Field with Field Biology at CCTI (continued)

Fun on the Farm



Troxell
Tumblers



Tic-Tac-Toe



Human Foosball



Checkers

SkillsUSA Cars for Claws



From left: Austin Miller, Malynda Peabody, Owen Everett

Our second SkillsUSA Cars for Claws Car Show held on Saturday, September 23rd, was a huge success!! CCTI's SkillsUSA Community Service competition team of Austin Miller, Malynda Peabody, and Owen Everett organized the event. The profits will be donated to the Carbon County Animal Shelter and the Friends of Animals Shelter. During this school year's SkillsUSA State Competition, the team will give a presentation on their community service project to a panel of judges and hopefully bring home the gold!

Total cars: 58
 50/50 Winnings: \$74.50
 7 Raffle items

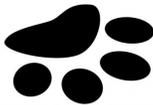
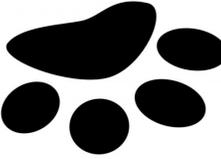
Total profit: \$1,308.00
 4 outside vendors



Student Volunteers:

- | | | | |
|--|---------------------|---------------------|-----------------|
| Owen Everett | Rachael Dickson | Devin Knappenberger | Krysten Stein |
| Austin Miller | Katharine Dowbachuk | Breanna Santiago | Rayna Stilitino |
| Malynda Peabody | Shannon Higgins | Kat Kresge | Jason Walck |
|  Austin Buyce | Chase Hoffman | Theresa Muniz | Bryce Weil |
|  Paige Card | Devin Knappenberger | Aliyah Perez | Allysa Witrosky |
|  Todd Daldos | | | |

Parent/Community Volunteers:

- | | | |
|------------------|---|---|
| Cassie Lombardi |  |  |
| Silas Loudon | | |
| Audrin Miller | Gail Miller |  |
| Glen Peabody | |  |
| Zachary Scheffle | Raelynn Strohl | |
| Rebecca Wilder | | |

People's Choice Award awarded to Car #52
 Owner Kim Kearns



SkillsUSA Cars for Claws (continued)

Staff Volunteers:

A. J. Burke	Anna Leigh Conway	Chris Graver	Kevin Kuehner
Tammy Marshall	Maritza Reinbold	Nate Rinda	Lisa Walck

(Jeff Donadi - not a "volunteer" but still a very integral part of our day)

Staff Members who came out to support our students/school:

Greg Arnold	Meg Arnold	Kim Bittle	Doug Feller	Donna Kost
Michele Troutman	Mike Wildoner	Al Donadi (retired)	Dave Kost (retired)	



Mr. Rinda took pictures with the school drone.

Paige Card (left) and Breanna Santiago sold Dog Treats they created in Culinary Arts



Austin, Malynda, and Owen during interview with Times News Reporter Brian Myszkowski



Shannon Higgins (left) and Rachael Dickson sold chocolate bars & accepted donations for the American Cancer Society



Mrs. Walck and Cosmetology students offered braiding and hair extensions.



SkillsUSA Cars for Claws (continued)



Food



Crafts



&



Cars!



SkillsUSA Cars for Claws (continued)

Thank you to all who participated and volunteered donations and time to make this event a huge success!



Some of our many student volunteers.

Thank you!



CCTI Drone

In September of 2016, the Times News printed the article below. Following the article is an update of how we have utilized the drone to benefit our students and school.

Carbon Career & Technical Institute has taken to the skies with a brand-new piece of technology — a top-of-the-line drone.

(Brian W. Myszkowski—Times News 9/16)



Director of Technology Nate Rinda flies the Phantom 4 drone on the CCTI campus.

“Drones, as we’ve seen over the last few years, have pretty much been the hot-trending technological item out there,” CCTI’s Director of Technology Nate Rinda said. “And as people get more familiar with it, and adapt to the technology, how it can be utilized, you’re going to be seeing a lot more of it.”

The drone package, a DJI Phantom 4 Executive Kit, is one of the latest and greatest models in a fast-moving market.

Countries including New Zealand and Australia are already using drone deliveries. Companies like Amazon and Domino’s have been exploring the

possibility of drone delivery services in the near future. The presence of drones is becoming incredibly widespread, with applications ranging from disaster management and monitoring to agricultural surveying.

“Last year, one of our goals was to increase technology in the classrooms. Acquiring and utilizing drones will help us meet that goal,” Reinbold said. “We’re looking at drone technology as being part of an emerging job market for students. That’s our goal, to prepare students for future jobs,” Reinbold said.

Drone Training Headquarters, which highlights education programs and schools that teach the technology, predicts that the economic impact of drones could reach \$13.6 billion within the next two years. In addition, there could be over 70,000 new jobs related to drone manufacturing, repair, and piloting by 2018, with pilot salaries averaging around \$104,000.

Rinda spent several weeks conducting drone research in order to find the best model for school, eventually selecting the highly respected Phantom 4.

This model can fly at a maximum speed of 45 mph, with a battery life of about 28 minutes. It can traverse distances up to 5 miles from the controller, though Rinda said he had read several accounts that claimed some pilots were able to go even further.

Propeller guards, flight stabilization, and obstacle sensors ensure the safety of the pricey piece of technology. But, even if the battery runs out, there is no need to worry about a crash — it will automatically return to its launch point before anything can happen.

With so many features in such an advanced piece of equipment, one could expect the (con’t)

CCTI Drone (continued)

device to be tricky to handle, but it is actually quite the opposite.

“The Phantom 4 is easier for beginners to pick up and use,” Rinda said. “I had it out of the box, in 15 minutes I was flying with no issues.”

The software that runs the drone allows the user to monitor every flight detail, including airtime, flight distance, speed and more. It can even provide warnings when the pilot is encroaching upon protected flight areas, which is an FAA violation.

The school’s drone will be used in a number of classrooms, including drafting and design, electronics, and graphic design.

Some may focus upon the mechanics of the drone and its setup, possibly allowing CCTI to reverse-engineer and create additional parts — or maybe even a whole new drone — with its 3-D printer.

One of the prime highlights of the Phantom 4 is the high-resolution camera, which can match the quality of professional movie cameras in aerial shots.

“It’s tremendous for graphic design, photo and video. This one we have here has a 4K camera, 16 mega pixels. It’s pretty much top-notch for what they’re using out there,” Rinda said.

Science instructor Anna Leigh Conway is excited for the variety of applications for the drone, which could play a big part in several science courses.

“We’re going to use the drone footage to do some land plotting for growing herbs, fruits and vegetables. We’re also going to do some land plotting of specific wildlife habitats, and unique ecosystems in northeastern Pennsylvania. For the field biology curriculum, we do at least one field trip per marking period. We’re going take pictures of the trails that we go on, look at some of the trails and pathways that the animals use.”

The school is even looking to go beyond the confines of the school environment, and allow the community to utilize the drone as well.

“We have contacted the Carbon County Environmental Education Center to develop some activities,” Reinbold said.

Some suggestions for drone use by the CCEEC include filming the release of rehabilitated birds from an aerial perspective, providing virtual flyovers of trails, locating eagle nests for observation, and participating in the CCEEC flight education program.

The school’s position at the forefront of STEM initiatives is clearly taking off with the new drone, which seems like it will provide plenty of opportunities for everyone at CCTI, and the community beyond.

“The two ways we plan use it are to enhance instruction in the classroom, and to prepare students for jobs that involve drone technology, which is our job as a career and technical school.” Reinbold said.

(con’t)

CCTI Drone (continued)



An aerial shot of Jim Thorpe, taken from the 4K camera on CCTI's new drone.
NATE RINDA PHOTO



An overhead shot of the CCTI campus, taken with the school's new Phantom 4 drone.
NATE RINDA PHOTO

(End Times News Article)

Update-CCTI Drone Utilization Since 9/2016

DJI - Phantom 4 Pro Executive 2.0 Kit.

- Lessons with full demonstration to the CCTI Computer Engineering Technology and Electronics Communication Engineering Technology classes.
- Mini lessons with full demonstrations for SHINE After School Program
- CCTI building and entire site photos with entire property aerial survey.
- Class of 2017 Yearbook photos.
- Class of 2018 Yearbook photos.
- CCTI 50th Anniversary event aerial photos and demonstration.
- 2016 article and demo with Times News.
- CCTI walk on campus.
- Graphic Design Mauch Chunk lake field trip aerial photos.
- 2016 Cranberry Bog Biology field trip aerial photos.
- Field Biology field trip to Leighton Foothill Farm aerial photos.

(con't)

CCTI Drone (continued)



Mr. Rinda (far right) demonstrates the use of the drone to CCTI students.



Class of 2017 Students pose for Yearbook Photo



CCTI Welcomes New Staff

Frank DeMatto

Frank is an alumnus of Panther Valley High School and resides in Summit Hill. Upon completion of high school, he enlisted in the United States Navy where he was trained in the Advanced Electronics field, specifically Submarine Sonar Systems. He is trained to operate, maintain and repair the AN/BQQ-5 and the AN/BSY-1 Submarine sonar Suites and their ancillary systems. He served on board three 688 Class Nuclear Submarines as well as being assigned to several other submarines for special operations for a total of 8 ½ years active duty. Upon End of Active Obligated Service (EAOS), Frank entered the Pennsylvania State Police Academy and graduated to the rank of Trooper in March of 1996. During his service to the Pennsylvania State Police he served at the barracks located in Dublin, Bucks County; Fogelsville in Lehigh County; Swiftwater in Monroe County; and Lehighton in Carbon County. After the terrorist attacks on September 11, 2001, he enlisted in the US Navy Reserve where he served as Leading Petty Officer of Force Protection Unit Detachment H out of NOSC Lehigh Valley. He was mobilized in support of Hurricane Katrina where he served as Reserve Leading Petty Officer and Watch Commander at NAS/JRB New Orleans. He was also mobilized in support of Operation Iraqi and Enduring Freedom where he served as Leading Petty Officer and Watch Commander over five bases in Kuwait. Frank retired from the Fogelsville Barracks August 1, 2015. He then took a position as School Police Officer for CLIU #21 where he was assigned to the Allentown Learning Achievement School until his appointment as School Resource Officer for Carbon Career and Technical Institute.

Frank is married for 22 ½ years to his wife Maria. He has four sons. Noah is a graduate of Panther Valley and currently attends Lehigh Carbon Community College. Jacob is senior at Panther Valley High School, Gabriel is a 9th grade Electronics student at CCTI, and Jonah is a 6th grade student at Panther Valley Intermediate School. Frank has been the Youth Pastor for Crossroads Community church Youth for Christ until July 2017 where he served since 2013. He also was the Crossroads Community Church Director of Daily Activities. He believes with the right mentorship, all children can and will be successful and benefit society.

Frank began working at CCTI on August 1, 2017 as School Resource Officer where he is tasked with truancy issues as well as peer conflict resolution situations. He strives to be a mentor and resource to all CCTI students and staff whenever possible. Frank is available to all students during school hours to assist with needs and provide solid advice for life issues. He believes he needs to get into the technical areas and classrooms to make himself available to students. He is thankful and excited for this opportunity as part of CCTI to have an opportunity in molding our future leaders.

School Resource Officer



Advisor Spotlight

Tammy Marshall

Student Forum Advisor & SkillsUSA Assistant Advisor

Tammy Marshall, Cosmetology Instructional Aide, is our Student Forum Advisor and one of our SkillsUSA Assistant Advisors. Ms. Marshall is an asset to our school and is devoted to promoting community service and student achievement.

1. Which organizations do you advise?

Student Forum and SkillsUSA

2. Briefly describe each organization.

Student Forum is a leadership organization that allows students from our school to interact, plan, prepare and present a leadership based goal with students from other schools to enable them to work as a unified team to achieve success.

SkillsUSA is the backbone competition based arena for our students to show their talents in their perspective trade areas as well as some academic areas.

3. How long have you been an advisor? Why did you choose to become an advisor?

This is my second year advising for both organizations that I am involved with.

I am thrilled to assist the students any way that I can, my goal is to make them as well rounded as I can so they can achieve true success for themselves.

4. Please give us a brief description of your professional background.

I have been fortunate enough to have had started my teaching career at CCTI in adult education in 1991 after years of working in the Cosmetology field. Spending time exploring many options in the Cosmetology field I have landed back at CCTI to assist students with their Cosmetology career and continuing to educate in adult education.

5. How do the organizations affect your students?

Both organizations I work with help my students gain self-respect, self-worth along with pride in their decisions and help them develop meaningful relationships with peers.

6. Explain something that you look forward to as an advisor.

I definitely enjoy the one on one time to learn about the individual thoughts and ideas that each student expresses as well as watching them grow into stronger young adults through peer development.

(con't)

Advisor Spotlight Continued ...

7. What are some of the more recent accomplishments of your students?

I was lucky enough to be part advising over 30 students to states level and 3 students to nationals with SkillsUSA and assisting Student Forum as a group to raise over 10 thousand dollars for the Angel34 foundation.

8. Were you ever a member of the organizations you advise?

I was a member of Vica when I was in high school which has now become SkillsUSA but did not have the opportunity to participate in Student Forum.

9. How is being an advisor affecting your professional life?

I myself have benefited with advising by my added interactions with other school employees, employers and affiliates met during my responsibilities with the organizations.

10. Describe some projects/activities planned for this year.

Our goals with SkillsUSA this year is to improve the number of competitors and develop a more focused, dedicated and responsive group to lead the school.

Student Forum will be working on a web based creative tutorial lesson concept created by the students to assist in Digital, Financial and Social Literacy.

Tammy Marshall
Student Forum Advisor/SkillsUSA Assistant Advisor

Upcoming Events at CCTI:

Please see the following flyers with information pertaining to upcoming CCTI events. *Thank you.*



5K Run/Walk

Saturday, October 14, 2017- Run/Walk - 9 am **Rain, Snow or Shine**

To benefit Carbon Career & Technical Institute's SkillsUSA Chapter

Course: Out & back flat, gravel trail. It begins & ends at Glen Onoko access area of Lehigh Gorge State Park.

Latitude / Longitude 40.88357°, -75.76035°

Fee: \$20 for received Pre-registration by September 22, 2017 guarantees long sleeve T-Shirt

\$25 Sept 23 - Oct 14

\$15 Student fee

Checks payable to: CCTI/SkillsUSA

(sorry, no refunds)

Mail to: Chris Graver - CCTI

150 W. 13th Street

Jim Thorpe, PA 18229

Race Day Registration: Saturday, October 14, 2017 from 8 am - 8:45am

Refreshments: Water and snacks will be provided. **Extras:** Raffles

Awards: Top 3 run and top 3 walk finishers get overall award. Top 3 run and top 3 walk finishers in each of the following categories: Female & Male for: under 14, 15-25, 26-35, 36-45, 46-55, 56-65, and 66+.

(Medals awarded to runners and walkers)

For more information, contact Chris Graver at 570-325-3682 ext.1510 or email cgraver@carboncti.org

ENTRY FORM:

CIRCLE ONE:

RUNNER

WALKER

FULL NAME: _____

DATE OF BIRTH: _____ **AGE:** _____ **SEX (CIRCLE):** M F

ADDRESS: _____

CITY: _____ **STATE:** _____ **ZIP:** _____

EMAIL: _____

PHONE: _____

SHIRT SIZE (circle if registering by Sept. 22): SMALL MEDIUM LARGE XLARGE XXLARGE

RELEASE: ALL ENTRANTS MUST SIGN AND RELEASE.

In consideration of the acceptance of my entry, I, intending to be legally bound, do, for myself, my heirs, executors and administrators, waive, release and forever discharge any and all rights and claims which I may hereafter accrue to me against Lehigh Gorge State Park, Glen Onoko Area, Commonwealth of PA, Carbon Career and Technical Institute and any and all other sponsors and promoters, while traveling to and from this event and participating in said event. I further attest to consider myself to be in excellent condition and health and have adequately trained for this event.

Participant Signature _____ **Date** _____

(Parent/guardian signature if under 18 years old)

OPEN HOUSE

ART SHOW • TRADE SHOW • ACADEMIC SHOWCASE

Wednesday, October 18th 5-8 p.m.

Learn About CCTI's Programs:

- Auto Collision & Repair
- Auto Service & Technology
- Carpentry
- Computer Engineering Technology
- Cosmetology
- Culinary Arts
- Drafting
- Health/Medical Assistant Aide
- Electrical Distribution & Automation
- Electronics
- Graphic Design
- HVAC
- Marketing
- Precision Machine Technology
- Welding

All Community Members are invited!



150 West 13th Street,
Jim Thorpe, PA 18229
www.carboncti.org
570-325-3682

CCTI

Real Training, Real Results, Real Careers!

Carbon Career & Technical Institute

Bag Bingo

featuring



thirty-one[™]

Vera Bradley

MICHAEL KORS

Thursday, October 26th

7:00 - 9:00 pm

Doors Open at 5:30 pm

Tickets - \$20

Held in the
CCTI Cafetorium

• • •

Refreshments
will be available

Proceeds
Benefit
Over 200
CCTI
Students



Class of 2018 & 2019

For more information call:
570 325-3682 (ext. 1126)