

## Career and Technology Center

7922 Opossumtown Pike Frederick, MD 21702

Hours: 7:00AM - 3:00PM

Phone: 240-236-8500 Fax: 240-236-8501

http://education.fcps.org/ctc



Frederick County
Career & Tech Center



**@FrederickCTC** 

## JANUARY 2015 Issue 3

Principal:

Michael Concepcion michael.concepcion@fcps.org

AP:

Jack Newkirk, II jack.newkirk@fcps.org

## **Message from the Principal**

Hello CTC Parents, Students and Staff:

Many of our students continue to demonstrate that they are community contributors and have been volunteering their time and talents for the good of others. Kudos to our Students Helping Other People (SHOP) student club who organized an extremely successful food and hygiene supply drive to help local families during the holiday season.

Our school would like to congratulate the 420 students who recently competed in the local SkillsUSA competitions held at CTC in December. Students competed in thirty (30) separate competitions against their peers; showcasing the skills they have attained in their respective technical programs. Students placing first (Gold), second (Silver) and third (Bronze) in the local competitions are eligible to compete at the next level. That next level, the SkillsUSA Regional competition, is scheduled to take place in February.

The next two months are a very important time for our students academically as the current semester ends on January 23rd. Our teachers are providing bell-to-bell instruction to ensure that students master their current program curriculum before moving on to the second semester. Parents are encouraged to continue to monitor their child's progress and contact teachers if there is a concern. Parents can also monitor grades via Pinnacle, our online grade reporting service.

Finally, as we fully enter the winter season, I want to express my own gratitude for the important contributions of two professional organizations that continue to support CTC in many ways: the Frederick County Student's Construction Trades Foundation and the Frederick County Student's Mechanical Trades Foundation. Both non-profit foundations play a pivotal role in contributing greatly to our school and our community.

Sincerely,

Michael Concepcion

Principal

Our Mission—The Career and Technology Center provides intensive career-specific training to both college-bound and employment-oriented students. In addition to career training, emphasis is also placed on the development of broad, transferable "professional skills" that are essential for successful employment. We believe that Career and Technical education must provide students not only with technical knowledge but also essential academic and personal competencies that will allow them to become lifelong learners so that they can adapt to the changing requirements of the work-place and new technologies that are part of any career.

## 2 current news

## CTC First Annual Pasta Bar Dinner!

The CTC FFA Chapter and Ms. Liddick's Culinary program collaborated on the 1st Annual Pasta Bar Dinner on December 16th. More than 80 guests dined with us that evening and ten students helped for a successful fundraiser. Proceeds raised will be divided between the Culinary program and the FFA Chapter. Please join us this spring for our next collaboration dinner. More information to follow in the next issue of <u>Tech Talk</u>.



## CTC Businesses Cosmetology Phone 240-236-8528

Accepts calls for appointments: W-F 8:00 a.m. – I:00 p.m. Walk-in's welcome!

### **Community Foundation Scholarship Opportunities**

The Community Foundation of Frederick County is pleased to announce that its scholarship application will be available for the 2015-2016 academic year beginning Thursday, January 15, 2015. By completing one general application, students will be considered for more than 250 available scholarships. It is estimated that over \$700,000.00 in scholarships will be available for the 2015 – 2016 academic year.

The completed application must be submitted online no later than 11:59 p.m. EST on Sunday, February 15, 2015.

The application can be accessed through the Community Foundation website at www. FrederickCountyGives.org, then clicking on "Apply for Scholarships" located on the right side of the page.

Changes have been made to the application and applicants will no longer be required to submit letters of reference. Graduating seniors will need to submit a scanned copy of their Junior year final transcript and students already enrolled in college must submit a copy of their most recent transcript.

Students about to complete their senior year of high school, students already enrolled in a trade school, college or university, and non-traditional students over the age of 21 are eligible to apply. Scholarships for graduate study are also available. All students are encouraged to apply.

## CTC Spring Fling MAY 2, 2015

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## CTC SHOP Club (Students Helping On Purpose) Food & Toiletry Drive

The students at CTC recently collected 18 over-flowing bags of canned goods and toiletry items to be donated to the FCPS Homeless Education Program and the FCPS Blessings in a Backpack. Thank you to all who donated!

### **CTC Yearbook Sales!**

Pre-sales for CTC Yearbooks have begun! Two versions are available for sale this year – soft cover for \$9 or hard cover for \$20. Order forms are available on our website: www.careertech.net



## **Valentine's Day Floral Sales**

Don't be in the doghouse this year. On this special day, don't forget your special someone. Maybe chocolate? Maybe a bear? Surprise him or her with a customized arrangement from the Advanced Floral Design Program

by contacting Diane Herndon at 240-236-8514 or diane.herndon@fcps.org.



## **CTC Students of the Month**

#### **SEPTEMBER:**

Sade Bowens - Culinary Arts I - Grade II - FHS Kevin Cook - Television/Multimedia Production 2 - Grade 12 - THS Mary Merkel - Culinary Arts 2 - Grade 12 - UHS

Serena Wisner - Digital Design & Printing Methods I - Grade 10 - UHS

#### **NOVEMBER:**

Matt Abate - Television/Multimedia Production I - Grade II - OHS Greg Dorsch - Ag Metals/Welding I - Grade II - LHS Elizabeth Gold - Ag Metals/Welding 2 - Grade 12 - LHS Kyle Lucas - Automotive Technician 2 - Grade 12 - CHS

Logan Barrick - Television/Multimedia Production Extended Tech - Grade 12 - CHS Sean Duvall - Ag Metals/Welding 2 - Grade 11 - BHS Sophia Eureka - Television/Multimedia Production Extended Tech - Grade 12 - CHS Kirsten Smith - Advanced Floral Design - Grade 12 - CHS Valentina Whelan - Biomedical Science 2 - Grade 12 - WHS

## **Generation Connect Names Eric Haines of Frederick County Public Schools Young Professional of the Year**

Frederick, MD - Generation Connect, a program of the Frederick County Chamber of Commerce, announced the winner of the second annual Young Professional of the Year Awards at the Fourth Anniversary Celebration and Networking Event on November 19. Young professionals and chamber members celebrated Eric Haines, Coordinator for Career and Technology Education at Frederick County Public Schools, for his dedication to his career, commitment to his students, and service to the community.

"Eric's qualifications and spirit were apparent to the selection committee from the first time we read the nomination and his application," said Tammy Feaster, co-chair for Generation Connect Steering Committee. "During his interview he shared stories about his students and was incredibly humble for someone with so much success. We were looking for someone who has shown professional growth, exceeded the expectations of their company, and was able to give back to the community. Eric exemplifies all the qualities and abilities of an outstanding young professional."

Haines oversees programs designed to prepare students for college and careers. FCPS Career and Technology Education has over 200 teachers from 25 schools in 28 program areas. These programs are comprised of 169 courses impacting over ten thousand students each year. The Biomedical Science program Haines oversees was named 2013 Most Outstanding Secondary Career and Technology Education program in Maryland. Haines has lead the curriculum development for three classes and is currently working to develop a new course titled Food Science.

In his nomination profile Haines wrote, "I grew up in Frederick County, graduated from Governor Thomas Johnson High School, and now work and live in Frederick County. I am humbled to be nominated and appreciate being considered for this honor." Both of his parents are teachers, and Haines believes "students win when we work together".

The event also recognized the achievements of the other top five finalists. Betsy Collings, Plamondon Hospitality Partners; Meaghan Delawter, Offit Kurman; Meredith Foerster, Plamondon Companies / Roy Rogers; and Daniel Severn, St. John Properties were honored for their accomplishments.









## A skills USA results





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## **Skills USA Locals Championship Results** (December 2014)

<u>AoHl</u>	P (Basic Health Care)			<u>AoHl</u>	P (Medical Assisting)				
lst	Jessica Bryant	CHS	10	lst	Justin Knotts	LHS	П		
2nd	Haven Silvio	TJ	П	2nd	Jenna Seiss	CHS	12		
3rd	Kymoni Smith	OHS	П	3rd	Chelsea Sayler	CHS	12		
HM	Veronica Garcia	THS	П	HM	Tiffany Rhinehart	TJ	12		
HM	Keir Hudson	TJ	11	HM	Amber Smith	CHS	12		
AoHP (Nursing Assistant)					Ag Metals (Welding)				
lst	Princess Santos	THS	П	lst	Dakota Helmick	THS	П		
2nd	Keating Beach	OHS	12	2nd	Garrett Murphy	UHS	12		
3rd	Amber Smith	CHS	12	3rd	Sean Duvall	BHS	П		
HM	Elizabeth Cordeiro	LHS	12	HM	Dusty Hahn	CHS	П		
HM	Londan Caliskan	OHS	12	HM	Tyler Babyak	BHS	П		
Archi	itectural CAD (Archite	ctural D	rafting)	Architectural CAD (Technical Drafting)					
lst	Nick Rakowski	OHS	12	lst	Casey Jung	UHS	П		
2nd	Nick Pyles	TJ	12	2nd	Brittainy Sechler	FHS	П		
3rd	Austin Lemere	THS	10	3rd	Nathan Fox	MHS	11		
HM	Suzanne Harkins	BHS	10	HM	Noah Parker	FHS	12		
				HM	Sean McGaughey	OHS	П		
				HM	Devin Mallory	BHS	12		
Auto	Body (Collision Repair	<u>~)</u>		Auto Body (Refinishing)					
lst	Tyler Sandy	CHS	11	lst	Tyler Kline	MHS	12		
2nd	Brianne Selders	CHS	11	2nd	Tyler Sandy	CHS	П		
3rd	Austin Conley	CHS	11	3rd	Austin Conley	CHS	П		
	,			НМ	Timothy Duley	MHS	П		
Auto	Tech (Automotive Serv	rice Tec	hnology)	Carpentry (Carpentry)					
lst	Logan Flood	UHS	12	lst	Austin Hahn	CHS	12		
2nd	Kyle Lucas	CHS	12	2nd	Matthew Pare	LHS	П		
3rd	, Hunter King	UHS	12	3rd	Mason Martin	LHS	10		
НМ	Olivia Nordin	FHS	12	НМ	Matthew Moore	LHS	12		
НМ	William Traube	LHS	12	НМ	Kyle Pare	LHS	П		
CTA (Computer Maintenance Technology)					O (Internetworking)				
lst	Nam Quach	TJ	11	lst	Jonathan Mundy	UHS	12		
2nd	Nayab Khan	Τĺ	11	2nd	Mark Louthan	WHS	П		
3rd	Robert Phillips	ÓHS	11	3rd	Nathaniel Werlang	CHS	П		
НМ	Glenn Rogowsky	BHS	10	НМ	Tomas Aker	THS	П		
НМ	Jeremy Laird	THS	12	НМ	Jon Shimer	UHS	12		
Electricity (Electrical Construction Wiring)					Cosmetology (Cosmetology)				
lst	Colton Stahley	CHS		lst	Regina Valentino	THS	12		
2nd	Dalton Anderson	BHS	12	2nd	Hailey Morris	THS	12		
3rd	Kyle Davis	CHS	12	3rd	Madaline Snyder	BHS	12		
HM	Andrew Giacco	LHS	11	HM	Alexis Cox	WHS			
HM	Oscar Ramos Robles	FHS	12	HM	Ryan Heskett	THS	12		
					. 7				



Cosmetology (Nail Care)				Crim	Criminal Justice (Criminal Justice)					
lst	Amber Moberly	CHS	12	lst	Takin Abbasian	THS 12				
Cosn	netology (Esthetics)			2nd	Sebastian Guillot	TJ 12				
lst	Courtney O'Grady	OHS	12	3rd	Charles DeHaven	THS 12				
Mode	elMaria Catoe	BHS	11	HM	Randi Dollar	FHS II				
2nd	Jessie Turner	LHS	12	HM	Ian Swanson	CHS 10				
Mode	el Magdalena Burgoon	MHS	11	Crim	inal Justice (Crime Scen	e Investigation)				
3rd	Emily Smallwood	CHS	12	lst	Morgan Andrew	CHS 12				
Mode	elAlexis Barber	WHS	11		Addison White	OHS II				
HM	Kimberly Beachley	BHS	12		John Whipp	LHS II				
Mode	el Alyssa Champagne	LHS	11	2nd	Aulbree Burriss	BHS 10				
HM	Tara Brown	TJ	12		Julian Gerald	THS 12				
Mode	elJuliana Coates	BHS	11		Paige Vandegrift	MHS 10				
<u>Culir</u>	nary Arts			3rd	Ashley Harper	UHS 10				
lst	Sara Kephart	THS	11		Madison Feltner	OHS 10				
2nd	Alyssa Briske	WHS	11		Rochelle Adjei	WHS II				
3rd	Robert Thomas	MHS	11	Culir	nary Arts (Food & Bever	age Service)-				
HM	Mary Merkel	UHS	12		being held at a later date					
HM	Essence Watts	FHS	11	DD d	& PM (Screen Printing)					
<u>Culir</u>	nary Arts (Commercial	<b>Baking</b> )	)	lst	Rebecca Compton	CHS 12				
lst	Jennifer Quinn	WHS	12	2nd	Devin Brosenne	LHS 12				
2nd	Tiffany Gladhill	CHS	12	DD d	& PM (Graphic Commu	<u>nications)</u>				
3rd	Emily Miller	WHS	12	lst	Nathan White	BHS 12				
HM	Kyree Hansen	TJ	12	2nd	Serena Wisner	UHS 10				
HM	Brandon Littleton	WHS	11	3rd	Kaitlyn Ford	THS IO				
DD o	& PM (Advertising Desi	<u>gn</u> )		HVA	HVACP (Residential Plumbing)					
lst	Kelsey Stafford	CHS	12	lst	Tyler Duman	WHS 12				
2nd	Zion Johnson	TJ	10	2nd	lan Luffred	LHS 12				
3rd	Erick Argueta	TJ	12	3rd	Austin Shipe	WHS II				
HM	Bryce Jones	THS	11	HM	Chase Powell	BHS 12				
HM	Xochilt Mendez	TJ	10	HM	Brett Putman	OHS 10				
HVACP (Refrigeration)					HVACP (Sheet Metal)					
lst	Todd McAlister	OHS	12	lst	Linwood Brogden, Jr.	FHS II				
2nd	Cody Rippeon	OHS	12	2nd	Herson Aleman	TJ II				
3rd	Evan Lind	WHS	П	3rd	Jarrett Grove	MHS II				
Mas	<u>onry (Masonry)</u>			HM	Hunter McGrory	TJ II				
lst	Storm Paz	TJ	12	HM	Cody Mahoney	BHS 12				
2nd	Kyle Kidd	WHS								
TV/A	•	•		TV/N	<u> Multimedia (Digital Cine</u>					
lst	Allison Kitaguchi	THS	12	lst	Gabriella Punturiero	UHS II				
	Elizabeth Long	OHS	11		Garrison Irwin	FHS II				
2nd	Yomira Hilares	WHS	12	2nd	Katherine Jones	FHS 10				
	Katherine Jones	FHS	10		Yomira Hilares	WHS 12				
3rd	Hunter Hebeisen	MHS	П	Web	<u>Design</u>					
	Ryan Wyatt	UHS	10	lst	Arizza Santos	THS 12				
HM	Frank Biggs	TJ	10	2nd	Ji Kim	UHS II				
	Terry McHenry, Jr.	CHS	П	3rd	Kelly Witherell	THS IO				
HM	James Hall	WHS	П	HM	Juan Silva Ortiz	TJ II				
	Zoe Maliszewskyj	MHS	П	HM	Cody Watkins	OHS 10				



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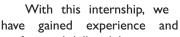
## 6 our students...

## TV/Multimedia and EDCO Internship

### by Eric Myers

Internships are a great way to apply knowledge to a real-world company. Last year, Bryan Morrison, from the TV/Multimedia Production class, began an internship at EDCO (Equipment Development Company) right here in Frederick, Maryland. This year, alongside Ben Wetzel, I had the opportunity to continue the internship. Ben and I work with Jason Stanczyk, EDCO's Marketing Director, in

a wide variety of projects. Using our CTC technology and skills in video production, we are able to make various videos for the company including: training videos, how-to videos, product overview, and many more. These videos are posted on the EDCO company channel and are shared with clients all over the United States and Mexico.



professional skills, while practicing our camera skills, and editing ability. At EDCO, we use a variety of new equipment. The use of the new GoPro camera allows us to provide the viewer with unique angles of machines, tools, and the products. One of the most recent videos that we are working on highlights EDCO's products being made to show customers that all EDCO products are made in America. Jason said, "The internship benefits both the students and our company. The students are able to learn how to use their video skills in a company setting; while EDCO is able to use their skills to better our company." Interning for EDCO has been a worthwhile experience that will help build a foundation for future success. We look forward to continuing our internship through the end of the school year as EDCO has big video plans for us.



## **Expectations VS Reality**

#### By Payton Steele

Before we even knew what our class was about we had to shadow the class and we got to see what the students before us were working on. We also got to have a tour of the lab, which is where we saw all of the really cool printing machines. When I shadowed for Digital Design and Printing Methods I made a t-shirt that I screen printed, and I also made a notepad that I designed on adobe illustrator then cut on the cutter.

I asked a few people what they thought the class would be like before they shadowed our program. Here is what a few students from the class said:

"I thought it would be a bit more in depth with art design. We are using all the programs that I thought we would. I thought it would be fun, and I still think it is fun. It's a lot more fun because I understand a lot more about the programs." -Zion Johnson

"I thought that we would be taught all the skills at once rather than being taught them as we needed them."-Serena Wisner

"Before being in the DDPM program I thought we would be doing more graphic design work. I also thought it would be really fun to learn how to work all of the machines in the lab." —Rachel Macharsky

We worked on uniform logos this term, getting more used to the Mac computer software and machines. In order to create our t-shirt logos, we first had to sketch our ideas. Then we picked a design that was the best, which ended up being Xochilt's design, a printing press. This term we also learned how to weed vinyl more accurately. We learned that thin tiny letters are really bad for weeding. Another thing we must remember is to put a box around the design so we can make register marks. Those marks help us put our design on the foam board perfectly.

This class is a fantastic learning experience, although it's not what I or anybody else expected it to be, we are all happy it turned out the way it did. The fact that everything is hands-on and you learn techniques as you need them make it much easier to remember and apply to our future projects.



## You're on track with CTC, BUT WHAT'S NEXT?

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## CTC Students Write Winning Essays and Earn Thousands at Career Expo (November 5, 2014)

Four students who study at the Frederick County Public Schools' Career and Technology Center (CTC) competed and won prizes at ProJet Aviation's ninth annual Aviation Education and Career Expo, held recently at the Leesburg Executive Airport.

The event, which showcases careers and opportunities for regional high school and college-level students, targets youth ages 16-20 and features keynote speakers, industry leaders, performers and demonstrations for about 600 students, educators and parents. Representatives from more than 50 aviation and aerospace businesses meet with students throughout the day to share their experiences and opportunities for future employment.

Among the 13 students winning scholarships and flight-training awards for essays describing their aviation aspirations are Ryan Kinzie, Brunswick High; Nathan Eschbach, Gov. Thomas Johnson High; Adrian Bobb, Tuscarora High and Casey Jung, Urbana High.

According to CTC Principal Michael Concepcion, the students all attend instructor Phil Arnold's Computer-Aided Design (CAD) Engineering Program.

"Mr. Arnold does a fantastic job of preparing students for their engineering futures and maximizing their potential. Our students work hard and put in a lot of time. It's nice to see them receive the fruits of their labor in these awards," Mr. Concepcion says.







### **Perry Initiative Program – Biomedical Science**

Mercedes Matlock and Kirsten Jongerling, both first year students in the Project Lead the Way Biomedical Science program, were selected to participate in the Perry Initiative program

held at the Johns Hopkins University Medical Center in November. The Perry Initiative is a STEM program designed as an outreach to high school girls who may be interested in careers in medicine and engineering. Kirsten and Mercedes performed mock orthopedic surgeries and conducted biomechanical engineering experiments, while also hearing from prominent women engineers and surgeons in the field. The program is funded by corporate and educational grants so students attend for free. Using real tools and bone models, students rotate through six mock surgical scenarios and attend three lectures on career decisions given by local women orthopedic surgeons and engineers. Local medical and engineering students act as hands-on activity instructors.





# in the spotlight

## Real World Design Challenge

We would like to congratulate our CTC students on the Real World Design Challenge team from our CAD Engineering program for competing at the 2014 RWDC national championships in Washington, DC. The team's project was based on precision agriculture. They designed multiple drones, including a fixed wing drone, a hexacopter, and an octacopter. Their unmanned aircraft system was specifically designed to detect the infestation rates of the European corn borer in lowa's corn fields.

Team members who presented at the RWDC national championship are: Paige Bussard (MHS) – Project Manager, Nathan Eschbach (TJHS) – Project Scientist, Nathan Fox (MHS) – Unmanned Aircraft System Engineer, and Ryan Kinzie (BHS) – Simulation Engineer. We are proud of the way they represented CTC and the state of Maryland and we applaud their effort and achievement.

## **Putting Skills to Work**

Each year many Career and Technology Center students choose to participate in a work-based learning experience. The experiences provide an opportunity for the students to put the skills they acquired at the center to use in the work force. Work-based learning coordinators pair up capable students with local employers to provide a meaningful experience that assist the students with the transition from being a student to the world of work. The experiences provide local employers an opportunity to help develop the



future work force. The experience is truly a "win- win" for both students and employers. Currently, two students from the Collision Repair program are honing their skills for local employers. James Divel is employed with Top Gun Collision Repair in Frederick. James is experiencing a variety of skills such as restoration, refinishing and vehicle preparation. Dalton Tribett is working for the Frederick Motor Company on the Golden Mile. He is responsible for prepping both new and used vehicles that are being sold by the Frederick Motor Company and he will soon be moving to the company's collision repair department.

Two students from the Culinary Arts program are also employed in the Frederick area. Tiffany Gladhill is perfecting her craft at Cakes-To- Die- For on North Market Street in Frederick. She is employed as a cupcake connoisseur and is responsible for pastry production, filling customer orders and assistance with catering events. Cakes-To-Die- For is owned and operated by Lucie Shelton, an alum of the Career and Technology Center. Mary Merkel is a prep cook at Gladchuk Brothers, a local dining favorite on Patrick Street in Frederick. John Gladchuk has been impressed with Mary's ability to stay calm under pressure, her ability to keep the kitchen moving and her outstanding culinary skills.

The students mentioned above are just a few of the many students currently participating in a work-based learning program. Look for more articles on students enrolled in work-based learning programs in future editions of TechTalk. If you are an employer, parent, or student that would like more information about the Frederick County Career and Technology Center's Work-based learning programs please contact Dave Snyder at 240-236-8491 or Martha Lowry at 240-236-8515.

## **MAXIMIZE YOUR TAX DEDUCTION!**



#### DONATE YOUR USED VEHICLE TO THE CTC'S MECHANICAL TRADES FOUNDATION

If you have an unused vehicle or a vehicle that does not run-consider donating it to the CTC's Frederick County Student's Mechanical Trades Foundation. Vehicles are used for instruction in the Automotive Service Technology and Collision Repair programs and eventually sold at auction.

The proceeds provide program support, scholarships, and funding for the CTC's SkillsUSA organization. Call 240-236-8473

\*Donations qualify for the IRS's "significant intervening use" designation allowing donors to use the Fair Market Value as a deduction on their taxes.