

tech talk

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CTC

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**

APRIL 2015
Issue 5

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:

As spring finally arrives, I'd like to offer kudos to our CTC Guidance Department for recently completing the registration process for the 2015-2016 school year. They have communicated with all of our returning students, new students and each home high school to complete the initial registration and application process. From this information, CTC will build a master schedule for next year. There are a few programs that still have space available for new students next year. Information on how to shadow and apply to open programs has been shared with each home high school to share with potential new students and their parents.

As we start the final term of the school year, we are reminded of the need for all of us to work together to help keep our students as safe as possible, both during and after school, as well as weekends. With the many social events, such as prom, that our students will attend this spring, we encourage them to make good decisions and stay safe.

For our seniors, we encourage you to finish the school year strong. Many of you will be taking industry certification or licensure exams in the coming weeks. Please take advantage of every opportunity to prepare for these important assessments.

As always, we encourage and welcome your questions, comments and suggestions. Please feel free to call or email me or any staff member any time.

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.

CTC Greenhouse Celebrates 5th Season

The CTC Greenhouse will open to the public starting Saturday, April 18th through Saturday, May 16th. The greenhouse boasts a wide selection of trees, shrubs, perennials, annuals, vegetables and herbs.

- School Day Hours – 8:00am – 10:00am
- *Closed week of May 4, 2015 – May 8, 2015 (Students will be at a national competition)
- Saturday Hours - 8:00am – 12:00pm

Be sure to follow us on Facebook at CTC Greenhouse and Twitter at Landscape_CTC for special offers throughout the season.



CTC Businesses Cosmetology

Phone 240-236-8528

Accepts calls for appointments:

W-F 8:00 a.m. – 1:00 p.m.

Walk-in's welcome!

April FFA Dinner

CTC's Culinary Arts class and their FFA Chapter are hosting their last dinner of the year on Thursday, April 23rd. Dinner will consist of pulled pork bbq, macaroni & cheese, baked beans, succotash, cole slaw, cornbread and peach cobbler. Cost is just \$12/person. To reserve a seat please follow the following link: <http://goo.gl/forms/GIWshQIbvH> All seats must be reserved in advance.



CTC SPRING FLING/ FUNDRAISER

**APRIL 25, 2015
7 A.M. TO 1 P.M.**

YARD/CRAFT SALE

Reserve your space/240-236-8517
\$15 for one space/\$25 for two spaces
(Bring your own table – Rain or Shine)

WE ARE COLLECTING DONATIONS NOW! PLEASE BRING YOUR DONATIONS TO THE COPY SHOP AT CTC BETWEEN 7 A.M. AND 2:30 P.M., MONDAY THROUGH FRIDAY

Annual CTC Basket Bingo

Sunday, May 3, 2015
Thurmont Activities Building

**DOORS OPEN AT 12 NOON.
BINGO BEGINS AT 2 P.M.
MEAL SERVED FROM 12:30 P.M.
TO 1:30 P.M.
TICKETS ARE \$25 IN
ADVANCE/\$30 AT THE DOOR**

Proceeds support students competing in the National SkillsUSA Conference
For Details Call
Jenny Maher at 301-748-7645

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



CTC Students of the Month

FEBRUARY

Hayes Wheelock - Grade 10 - Oakdale High School - CTA
Allison Kitaguchi - Grade 12 - Tuscarora High School - TV/MM 2
Maria Olney - Grade 11 - Middletown High School - TV/MM 2
Katherine Jones - Grade 11 - Frederick High School - TV/MM 1
Matt Kokoski - Grade 11 - Frederick High School - Web Design
Angelica Saunders - Grade 10 - Walkersville High School - Web Design

MARCH

Emily Burnett - Grade 11 - Walkersville High School - Biomedical Science 2
Kevin Majano - Grade 11 - Walkersville High School - Carpentry 2
Frank Biggs - Grade 10 - Gov. Thomas Johnson High School - TV/MM 1
James Hall - Grade 11 - Walkersville High School - TV/MM 1



SHOP (Students Helping On Purpose)

Students Attend Rachel's Challenge "Stand Together Day"

On March 26th, CTC students, Jake Watkins and Emily Smallwood represented CTC at the Rachel's Challenge "Stand Together" event. They spent their day mentoring middle school students on bullying prevention and developing creative ways to promote kindness. Jake shared, "The experience was very motivating to the middle school students. I felt as if I made a difference to FCPS students around the whole county." They led discussions and presented skits that demonstrated ways to resolve social issues in a positive way. By the end of the day, new relationships were formed, motivational ideas were generated and "Fist-Bump Friday" was born! Emily commented, "Both the middle school and high school students benefited from the discussions; it was great to share that it gets better and to create positive change through collaboration". Both students were extremely proud to represent CTC and to inspire students to "Stand Together".



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congratulations!

Congratulations to Our 2014-15 National Technical Honor Society Inductees!



Jessica Bryant – AoHP - CHS
Autumn Caro – AoHP - TJ
Alexa Craemer – AoHP - BHS
Zoe Croyle – AoHP - CHS
Noah Dell – CAD/Engineering – CHS
Anna Dodson – Web Design – THS
Alicia Duke – Biomedical Science – FHS
Rayann Eaves – Biomedical Science – WHS
Nathan Eschbach – CAD/Engineering – TJ
Nathan Fox – CAD/Engineering – MHS
Victoria Glaspell – Biomedical Science – WHS
Mark Goff – CAD/Engineering – CHS
Joseph Gula – CAD/Architectural – OHS
Allan Hitchcock – CAD/Engineering – OHS
James Hlima – Computer Technician – TJ
Casey Jung – CAD/Engineering – UHS
Ryan Kinzie – CAD/Engineering – BHS
Alyssa Klink – TV/Multimedia – MHS
Erikas Laignel – Web Design – THS
Austin Lemere – CAD/Architectural – THS
Kyle Lucas – Automotive Tech – CHS
Zoe Maliszewskij – TV/Multimedia – MHS
Mercedes Matlock – Biomedical Science – FHS
Mary Merkel – Culinary Arts – UHS
Emily Miller – Culinary Arts – WHS
Zoe Nagel – Biomedical Science – WHS
Agnelyne Ndifor – AoHP – TJ
Stephen Nelson, Jr. – Computer Tech – TJ
Tram Nguyen – Culinary Arts – FHS
Olivia Nordin – Automotive Tech – FHS
Gabiella Punturiero – TV/Multimedia – UHS
Nabila Putri – Biomedical Science – LHS
Nicholas Rakowski – CAD/Architectural – OHS
Macy Randall – Biomedical Science – CHS
Alexis Ridenour – AoHP – CHS
Arizza Santos – Web Design – TJ
Haven Silvio – AoHP – TJ
Lucy Stephens – Biomedical Science – UHS
Priya Tandon – Biomedical Science – OHS
Cody Wise – CAD/Architecture – BHS
Emily Young – AoHP – THS

Dr. Lori
Andochick
DENTAL

A Smile Is Contagious... Pass It On.

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CTC Builder Olympics

The Carpentry, Electricity, HVACP, and Landscaping students participated in the “Builder Olympics” at the 40th Frederick County Building Industry Association Home Show on March 21st & 22nd. The Builder Olympics provides wonderful opportunities for our students. This program allows student skills to be critiqued by professionals. Students are provided with an additional activity to practice technical skills, while being encouraged and recognized. Home Show materials from the Builder Olympics are given to CTC, where students can use them in future educational projects. The Builder Olympics is an excellent example of how business and education can work together in providing an excellent education for our Frederick County students.

THE FIRST PLACE WINNERS OF EACH CONTEST ARE AS FOLLOWS:

Carpentry – Austin Hahn (CHS 12th), Cole Young (CHS 11th), Carlos Alfaro (GTJHS 11th) Colin Lynch (THS 10th) Construction Electricity – Kyle Davis (CHS 12th), Wesley Brown (CHS 11th), Brennon McDowell (GTJHS 11th), Aidan Merrill (MHS 11th) HVAC/Plumbing – Evan Lind (WHS 11th), Daimen Sisler (MHS 11th), Dylan Watkins (WHS 11th) Landscaping – Brandon Miller (GTJHS 10th), William Salisbury(BHS 12th)



First place winners have their names engraved on a plaque at CTC.



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our students...

Play House Raffle

CTC Carpentry students have again constructed an 8'x6' playhouse to help the Relay for Life, Frederick/Urba Team, "Little Wonders", raise funds to benefit the American Cancer Society. The playhouse will be raffled off with tickets at \$10 each or 3 for \$25. The playhouse is on display at CTC with the drawing to be held at the CTC SkillsUSA "Spring Fling" yard, craft, greenhouse/nursery and book sale on April 25th. (Need not be present to win) For more information contact: Doreen Fiorentino (301) 275-8527.



CTC Construction Department Students Enroll in Community College

Did you know that several of our students are taking their education to the next level by enrolling in the FCC Construction Management 101 Course this semester for three credits? In addition to that, for each of the two years that a student is enrolled in our construction programs and earns a B or higher, he or she will earn three credits towards the FCC Construction Management program. And that's not all! Of course our students earn high school credit, but they also have the opportunity to earn a year's credit in a national apprenticeship program through the National Center for Construction Education and Research (NCCER).



Completing our construction programs can earn you:

- 4-12 high school credits
- 144 classroom hours and 665 work hours toward the NCCER nationally recognized apprenticeship program
- 6-9 college credits in the FCC Construction Management program
- Specific CTC Construction Department programs offer additional Industry certifications and additional college credit opportunities

The Construction Department is comprised of Masonry, Environmental Landscaping, HVAC/Plumbing, Electricity, Carpentry, and Architectural/Engineering CAD programs.

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

College options abound - we can help find the best fit for you!



Rely on the experience of **Charlotte Klaar, PhD.**, and her staff of professionals to provide crucial advice on college lists, timelines, applications & financing. Contact us today! www.cklaar.com



Elizabeth A. Liotta, MD
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31st Student House Project

Preparation for the 31st Student House Project has begun and great business partnerships continue! Here are some examples: KLS Home Improvements brought in chainsaws and a loader to remove a tree from the future septic field and to test bore for rock. Bobcat of Frederick provided the boring equipment. The tree is gone and test bores did not produce rock!! When we break ground, F.O.Day Co., Inc. has offered the labor and equipment for the excavation, back-fill, grading, and stone and asphalt placement. Rentals Unlimited has provided us with equipment needed to train the students for the upcoming project. Businesses who partnership with CTC construction programs contribute to our students being able to receive an excellent education through the practical experience of the Student House Project.



FFA Dinner In Review

REPORTED BY MARY MERKEL (CULINARY ARTS STUDENT)

After much planning, promoting and communication, the FFA Fundraiser was a success. The dinner ran smoothly, and all the supporting patrons seemed very pleased with the meal. Many CTC students from FFA and the Culinary Arts class volunteered for the dinner, which was not an easy task. They generously donated their time from 2-9 p.m. with plenty of enthusiasm and willingness. Both coordinators were extremely patient and great motivators for the entire length of the project. It was a great learning experience and leadership lesson. It was realistic restaurant management, and prepared me for what to expect when filling a management position. Approximately 100 people were served Thursday March 12th. The proceeds went to the Culinary Arts class and The FFA Chapter.



Valley Veterinary Hospital

Janice Griffin DVM

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in the spotlight

CTC Team: National Finalists

The Frederick County Public Schools' Career and Technology Center (CTC) announces that its Computer-Aided Design (CAD) engineering team qualified as national finalists for the Lemelson-MIT Program's 2015-2016 InvenTeam grant. The Massachusetts Institute of Technology (MIT) School of Engineering administers the Lemelson-MIT Program, which became a national STEM initiative in 2003.

On average, 15 schools are selected to participate each year. Lemelson-MIT InvenTeams include high school students, educators and mentors. They receive up to \$10,000 to invent technological solutions to real-world problems.

Educators for the national finalist teams are Excite Award recipients. FCPS CAD engineering teacher Philip Arnold will travel to MIT in June to attend MIT's EurekaFest 2014, meet the current InvenTeams, see their inventions and attend workshops in preparation for FCPS CTC students to have a team in the coming school year.

To qualify as finalists, the CTC team submitted a proposal for a stand-alone water conservation system to function with shallow and low-flow wells. Students recognized that population growth and climate change are two issues that will continue to place pressure on worldwide water supply and food production. They researched drought and water supply conditions around the globe and found the following:

- In Africa and Asia, over 741 million people lack daily access to fresh water.
- Brazil is experiencing the country's worst drought in 80 years. More than 40 million people there, in 96 cities, are having to ration water.
- 93% of California is in a stage of severe drought, one of the worst North American droughts in history.

Students tried to imagine the plight of rural families in Frederick County and around the world whose survival and independence are tied to their land. After several brainstorming sessions the students developed a simple solution that families can manage independently to increase reliability of their crop production and improve their quality of life. The students proposed manual-pump and solar-powered options for their system. They plan to work throughout the summer and submit a final proposal in September, hoping to be among the 15 InvenTeams announced in October from the pool of 35 national finalists.

The CTC CAD engineering students involved in the initial proposal are: Brunswick junior Ryan Kinzie, Catoclin juniors Ricky Adkins, Noah Dell and Mark Goff, Frederick senior Noah Parker and junior Brittainy Sechler, Gov. Thomas Johnson senior Nathan Eschback, Middletown senior Paige Bussard and junior Nathan Fox, Oakdale juniors Allan Hitchcock and Sean McGaughey, and Tuscarora senior Adrian Bobb.

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.