

Program Power

Serving School Districts:

Aurora

Beachwood

Chagrin Falls

Mayfield

Orange
Richmond Heights

Solon

South Euclid-Lyndhurst

West Geauga

News of EXCEL TECC • Mayfield Excel Technical Education Career Consortium

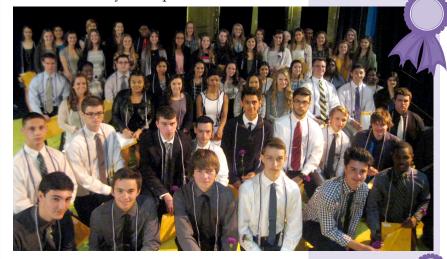
Vol. XI No. 2 Spring 2016

by Nathan Bishko

Well, Excel TECC has another year in the books and it may have been the most successful that our school has ever seen. The 2015-2016 school year will be the last that Excel TECC is comprised of nine school districts. As we know, next year the Willoughby-Eastlake **City Schools will join Excel TECC** increasing our consortium to 11 high schools and 10 school districts. It was a very smooth integration of their programs this year throughout the recruitment and interview process and we are looking forward to bringing them into the Excel TECC family next year! I want to congratulate our senior class on an outstanding year! In fact, our 348 graduating seniors earned over TEN **MILLION dollars in scholarships to** colleges and universities. Speaking on behalf of the entire Excel TECC team—we wish the class of 2016 the best of luck. To our incoming juniors—buckle up! Get ready for the greatest two years of your high school career! You will be meeting new friends, learning new skills, and ultimately become part of the best team of career technical education programs in the entire state of Ohio. So enjoy the next couple of months of sun, pool, grill and relaxation and we will see you in August!

CONGRATULATIONS NTHS 2016 Inductees!

Congratulations to the 66 Excel TECC students inducted on Thursday April 14, 2016 into the National Technical Honor Society. To achieve this honor, students must carry a 3.5 GPA overall and a 4.0 GPA in their career technical program, as well as demonstrate the following traits: Skill, Honesty, Service, Responsibility, Scholarship, Citizenship and Leadership. This year's inductees represent all nine of our consortium districts and thirteen career technical programs. The induction ceremony was held at Mayfield High School, followed by a reception.



Studio Art Exhibits at Statehouse

Congratulations to Julia Frohlich, senior at Orange High School, whose artwork was chosen to be included in the 2016 Ohio House of Representatives Student Exhibition at the Ohio Statehouse in Columbus. The Ohio Art Education Association



joined with the Ohio House of Representatives and the Ohio Arts Council to mount a new student exhibition representing all 99 House Districts in the State of Ohio. This exhibition recognizes the talents, creativity, and innovation of students who receive high quality arts education instruction. Julia's mixed media piece will represent House District 12.

MEDICAL TECHNOLOGIES

by Joanna Davidson and Debra Elam, Instructors

THE 2015-2016 ACADEMIC YEAR zoomed by at our new location in the Innovation Building. The school year began on August 17, 2015 to make for an early summer dismissal for seniors on May 12th and Juniors May 20th, 2016. Commencement for Med Tech seniors took place on May 12th from the Mayfield High School gym. Juniors wrapped up their year by finishing out with the many facets of First Aid and dependent bed bathing skills.

Our first annual Senior Banquet took place at Highland Community Center on April 20, 2016. Students, parents, administrators, teachers, professional medical partners, and Mayfield board members were all in attendance. The evening began with a dinner catered by Pizzaz and continued with speeches from Senior class officers, a Medical Technologies student video, and guest speaker, Pierrette Sahlani, Cleveland Clinic Foundation Administrator from the Pediatric Neurological Institute. Closing remarks were made by Ms. Elam and Mrs. Davidson. After careful planning and many class fundraisers, the senior banquet went off without a hitch and was enjoyed by all. Thank you to everyone who helped make the evening so special!

The senior class had the opportunity to participate in several extracurricular activities throughout the Medical Technology program. During the holidays they participated in the "Upside of Downs," a Christmas Party for those with Down Syndrome, which was held at the Holiday Inn in Independence. The Med Tech students provided fun activities for members of the organization and their families. Lunch

was provided by the organization and Santa made a rare appearance for all the children to convey their holiday wishes. In the spring of the year, 22 seniors attended the National Kidney Foundation "Spring into Health" event at the Cleveland

Museum of Art. The seniors were assigned stations to complete specific tasks. The stations included registration, height, weight, body mass index, urine testing, a health survey, program evaluation, and a resource center. This

event provided services to the community to aid in the early detection of kidney disease. The Med Tech students expanded their awareness of the surrounding community's needs and the services aimed at strengthening the public health of our neighbors.

The seniors participated in over 40/internship placements between the Cleveland Clinic Foundation and University Hospitals of Cleveland. There were several independent placements at dentistry,/therapeutic horseback riding, athletic sports trainer, and a local funeral home. Seniors wrote journals and were evaluated weekly by their health care mentor\$ from their respective internship. It was apparent through student journal writing and mentor evaluations that internships provided for learned experiences, observations, and maturation at the bedside of patients. The Medical Technologies instructors also noted tremendous professional growth in all Med Tech seniors and wish them the best in their future health care endeavors.

Spring showered us with two amazing events! In April, Medical Technologies



Medical Technologies (continued from pg 2)

was notified that the program went from a seven college credit course to a thirteen college credit course through the articulation agreement with Lakeland Community College. AND, the college credits were made retroactive to our current senior class!! In addition, Medical Technologies became a CT² program allowing for all public/government colleges in the state of OHIO to accept all thirteen college credits. Congratulations Medical Technologies!

The juniors planned the first annual "Collaboration Event" which was held on May 20, 2016 at the Mayfield Wildcat Stadium. The objective was to merge all three junior sections of Medical Technologies into one senior class. The morning was filled with a combination of team work, collaboration and critical thinking activities and events. Students were taken out of their respective junior section and cross matched with other sections to provide for an opportunity to critical think with other Med Tech juniors for the first time. This event is the gateway to graduation from junior year and introduction into the Medical Technologies senior year. Next school year is full of changes for our senior class. The biggest change is that senior Medical Technologies class will no longer meet in the afternoon and there will no longer be a "Mayfield only" section. Medical Technologies will be block-scheduled next year and senior classes will take place in the morning from 7:35am till 10:15am. The students will have an opportunity to work with both Medical Technologies instructors through continuation of skilled labs and lectures by both instructors during different topics of Medical Technologies curriculum.

We wish all of our Medical Technologies students a peaceful and restful summer. Congratulations to our graduating class of 2016. We look forward to a new and wonderful year with the class of 2017.

Culinary Arts Cooks Up Winners!

by Chef Danette McHale, Instructor

THE CULINARY ARTS PROGRAM housed inside Beachwood high school has been busy this Spring with regional and state competitions, restaurant operations and catered events. CONGRATULATIONS to the following senior award winners who competed recently at the State FCCLA contest:

- Nya Hill (Brush) was the 3rd Place State winner in the Pastry Arts/Cake division.
- The Culinary Arts Team of Zak Bundus (Mayfield), Nicole Korosec (Mayfield) and Macalah Lee (Brush) was a Silver Medal winner.

The Bistro will re-open next October with a new batch of young chefs! Be sure to patronize and see what wonderful food these students produce. Look us up on the Beachwood city schools website www.beachwoodschools.org.



CONGRATULATIONS EXCEL TECC WINNERS!

Look for our TECC winners throughout this newsletter

Environmental Education Everywhere

Landscape Construction Program by Ed Tuhela, Instructor

The Landscape Construction students completed a busy spring. The students took on several landscape construction projects this spring. They completed a water fall under our sign out front. The project was designed by the students this winter. It was designed as a habitat for plants and animal life. Already two toads have moved in and serenade us. We will be adding plants, tadpoles and various fish as soon as the water chemistry is balanced. We are finishing a paver side walk by our barn. We had to install several drainage systems due to excessive property drainage. The pavers are being put down and will be finished late spring

or early next August.

The Ohio Nursery and Landscape Association is offering a new competition next year called the Ohio Landscape Horticulture Olympics. The juniors already registered and are committed to attend. They are already preparing by studying plant identification, salesmenship, soil chemistry, trackhoe, skidsteer and mower operation and mechanics, among other events. We have plans to continue their studies during the summer. Finally, the team of Sean Webb (Mayfield), Josh Friedler (Aurora), Dakota Gray (Aurora) and James Matras (Aurora) qualified for the FFA State Landscape Finals. The team earned a 5th place in the state. Josh Friedler came in 4th individual overall in the state.

Congratulations to Landscape 2016 graduating students:

- Josh Friedler (Aurora) will attend West Virginia University; working at Laws Landscaping;
- Sean Webb (Mayfield) will attend Cuyahoga Community College; working at H&M Landscaping;
- Dakota Gray (Aurora) will attend ATI/Ohio State University; working at Geauga Lake Wild Water Kingdom in Landscaping Department;
- Nick Rini (Solon) will attend Stautzenberger University;

working at Monicino Landscape;
• Jalen Crawford-Finney (Solon) - will attend Cuyahoga Community College.

ACE-Agriculture and Career Exploration

by Becky Gardner, Instructor

The ACE students have been extremely busy/volunteering at the Cleveland Food Bank (CFB) and Sims Beach in Euclid. The CFB needs just fewer

than 1900 brown bagged lunches prepared for the Cleveland Metropolitan School District each day and this year the ACE students were able to complete this task three times in under two hours! The Environmental Education students completed their second year participating in the Adopta-Beach program. The students had wonderful experiences on the beach. Water quality, pollution totals, wildlife counts and wave

heights were all monitored and collected by the students and reported to The Alliance for the Great Lakes.

We will be adding a new section of study to the Environmental Education program this fall. We were fortunate enough to be awarded funds to purchase two hydroponic labs next year. One will be permanent at the center and one we are planning to take 'on the road' for presentations throughout

the consortium. Once we become familiar with the systems, we plan on raising herbs and vegetables for a local restaurant and the Bistro at Beachwood, Excel TECC's Culinary Arts program.



Photos this page: Students at work on the Gates Mills Center property and Mayfield high school

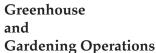
Environmental Education..(continued from pg 4)

Many of the ACE students have secured employment for the summer. Some of the locations are:

North Coast Landscaping, Claystone Farms, Green Estates Inc., Maid Bright, Petittis Garden Center and Green Corps of Cleveland. Congratulations to the 2016

graduates from the ACE program:

- Jarod Smith (Mayfield), will attend Ohio State / ATI;
- Irell Townsend (Mayfield), will attend Cuyahoga Community College;
- Ben Turnage (Mayfield), will attend Cuyahoga Community College. Congratulations to all of you. You will be missed. Photos this page: Students working at the Cleveland Food Bank



by Kym Judson, Instructor

The Floriculture class was busy preparing for our Spring Open House. The greenhouse sale was a huge success. We almost sold out completely of all of our annuals, vegetable, and hanging baskets! The class also competed in two FFA Floriculture contest events. The group studying paid off as they earned second place in the district and sixth place at the state level. The team members were Danielle Kaufman (Beachwood), Juliana Tarr (Chagrin Falls), Jordan Logan (Beachwood), and Alisa LoDuca (Brush). Another spring project the students were responsible for is creating different types of floral arrangements for Kent State Geauga Campus graduation, Excel TECC Senior Send-Off, and CEVEC graduation.

Congratulation to the 2016 Floriculture seniors:

• Juliana Tarr (Chagrin Falls) - Currently employed at Auburn Point Greenhouse & Garden Center, will

attend Hiram College;

• Jordan Logan (Beachwood) - Currently employed Highland Garden Center, will attend Ohio State- ATI.

Cleveland Botanical Garden

by Kim Haydu, Instructor

The Cleveland Botanical Garden class was



a look at the student's hard work. Soon the gardens will be full of fresh local produce to be sold at markets. At the CBG main site, we assisted with the various themed gardens spring clean-ups and removal of thousands of tulip bulbs, getting the grounds ready for the growing season. You can see their hard work has paid off at this summer's long show called Branch Out. For

more information see cbgarden.org. Next school year program goals are to learn how to landscape design with a computer software program.

2016 CBG Seniors- Good luck to our future green industry employees who plan to continue their education:

- Alex Oroz (Mayfield), Currently employed at Gales Garden Center, will attend Cuyahoga Community College;
- Emily Moser (Mayfield), will attend Ohio State- ATI;
- Stephen Reese (Shaker) Currently employed at Green Corps- Midtown Farm, will attend Cuyahoga Community College.

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SAVE THE

ENVIRONMENTAL EDUCATION FAMILY FALL FESTIVAL

Saturday OCTOBER 8-2016 · Noon-4:00pm HOLIDAY PLANT SALE/OPEN HOUSE Friday DECEMBER 2-2016 · 8:00am-6:00pm SPRING PLANT SALE/OPEN HOUSE Friday MAY 5-2017 · 8:00am-6:00pm

Gates Mills Environmental Education Center-390 County Line Road 440-995-7565

Successful Open House: CADD/CONSTRUCTION TRADES

by Rick Zivny, Instructor

Another successful year has been completed by our Construction Trades students. I would like to thank everyone who attended our 16th Annual Construction Trades Open House. I would also like to thank all the other programs and staff members that made it a success: Craig Schmidt and his CADD Engineering students for supplying us with blueprints and support materials, including CNC signage; Ron Suchy and the ITP students for developing our Smart Home; Ed Tuhela, Dave Husat and their Environmental Education students for supplying and setting up the plant display; Mike Caldwell and his Interactive Media students for providing us with all our advertisement signs; Maryanne Hummell, Debby Kall and their Cosmetology students for setting up their mannequin display; Perrino Furniture for furnishing our senior home; NEO Carpenters Union, NEO Electrical Union and Ohio/Kentucky Bricklayers Union for setting up booths and talking to our students about career paths.

Many Excel TECC staff also assist throughout the year: Job Training Instructors, Ottolee Umbaugh and Sue Flowers for helping our students with resumes; Joe Hayes, Excel TECC Guidance Counselor, for his career path and life skills guidance to our students; Cathy Catullo for processing all our documents; Denise Kluk for her support with attendance and documents; Kay Vincent for her publication materials; Joe Rico for his dedication to students; and Nate Bishko for his leadership of Excel TECC. Thank you to Dave Hrudka for his unfailing assistance in the classroom. I would like to thank our Construction Trades junior and senior classes for being such wonderful men and women and making this year a success!



ABOVE: CADD students present design and process at the start of the Open House; CADD display at Construction Trades Open House

BELOW: Photos from Construction Trades 'Neighborhood Street' themed Open House



CADD Students Experience Great Year in the New Mayfield Innovation Center!

by Craig Schmidt, Instructor

What began as an email link to a video in August recently changed a young man's life, and ultimately gave our program international recognition! On Monday May 16, 10-year old Manny Kothe was our first recipient of a 3D-printed prosthetic hand. Last August, Mayfield French teacher Gina Burich forwarded a video of a 6-year old French boy using a 3D-printed prosthetic hand, which was provided by a maker from e-NABLE, a worldwide network of prosthetic hand makers. CADD students built a

prototype hand and gained approval from e-NABLE. In December, Manny and his father, Jim, passed through CADD student Emily Pietrantone's checkout lane at Target. Emily mentioned the prosthetic hand project, and the Kothes soon connected with us. We received the needed digital resources from e-NABLE, and a CADD junior student team (Robbie Hall, Devon Medsker, Emily Pietrantone and Ryan

Previte) built two 3D-printed

prosthetic hands for Manny and presented them to Manny on May 16. The story was featured on an episode of "Ideas" on WVIZ/Ideastream!

Speaking of "the hand," local 3D-printer manufacturer MakerGear asked to borrow a prosthetic hand for the Hannover Messe Trade Fair in Germany – the largest trade fair in the world. The Senior CADD Team of Julius Gartrell, Edwin Sapozhnikov and Ezell Williams 3D-printed and assembled a prosthetic hand in the German flag colors, complete with a rotating base. On opening day, President Obama and German Chancellor Merkel viewed our prosthetic hand!

The prosthetic hand project is part of the great experience our students had during our first year at the Mayfield Innovation Center. CADD students used all-new computer equipment and current versions of AutoCAD, Inventor, SolidWorks, Revit, Simplify 3D and V-Carve software. CADD students utilized the smaller collaborative spaces throughout the facility for team projects. Our students delivered presentations and learned from guest speakers in the Amphitheater. The Fabrication Lab came on line throughout the year, and CADD students were able to



ABOVE: [L-R] US Commerce Secretary Penny Pritzker, German Chancellor Merkel, President Obama, MakerGear 3D Printers president Rick Pollack, and Ohio Lt. Governor Mary Taylor look over the prosthetic hand produced by Excel TECC CADD seniors!

"spread-out" in the large space adjacent to our classroom. New MakerGear 3D printers vastly improved students' 3D printing experiences, and CADD students utilized the ShopBot CNC (Computer Numeric Controlled) equipment later in the year for various projects.

In an update of our annual Mousetrap-Powered Car Competition, CADD juniors fabricated their wood car parts using the ShopBot CNC equipment. In the past, the cars were hand-built using balsa wood. Our modern version of the project utilized patterns generated using V-Carve software, and CNC-cut into ¼"

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CADD Students....(continued from pg 7)

luan plywood. This resulted in better accuracy and ease of assembly. The goal of the project was research and build a car that would travel a long distance, and Mariah Brittian's run of 66 feet was the longest of the project.

In our fifth year of collaboration with the Construction Trades program, CADD students designed five tiny homes, and one larger home, in a neighborhood setting. It was the biggest project to date, and CADD seniors modeled the homes and produced the construction drawings and presentation materials in Autodesk Revit, a building information management program. Nineteen CADD seniors were able to collaborate real-time in the software in a truly authentic learning experience! Several CADD seniors also produced various pieces of "entourage," including a doghouse, birdhouses, street signs, a "subdivision" sign and house number signs using the ShopBot CNC router for the annual Construction Trades Open House. CADD juniors are already thinking about the '16-'17 project, and we're not saying much right now - but it's going to be BIG!

You can follow Excel TECC CADD Engineering Technology on Instagram, Twitter and Facebook: @exceltecccadd



CADD Senior Michael Tuly poses with the sign panel he produced on the new Computer Numeric Controlled equipment in the Mayfield Innovation Center.

Marketing Features EntrovationCLE

Greg Perry's EXCEL TECC Marketing class hosted the third EntrovationCLE Expo on April 30 at Beachwood high school. The expo featured 180 Cleveland-area businesses. Exhibitors displayed their services and sold products including 3D printers, hot sauce, Cleveland-themed art and different kinds of food. "Any business that showcased innovation or entrepreneurship and was also Cleveland-based was invited to be a part of our business showcase," senior Sophie Schoen, who is Vice President of Human Resources for Entrovation, stated. The 44 students from nine different schools run the class as a company and used their business connections to reach out. The students donated \$3,500 of the proceeds to Youth Outdoors to provide outdoor adventure activities to Cleveland's inner city youth.



Mayfield Cosmetology

Cosmetology students celebrate!

by Maryanne Hummell and Debby Kall, Instructors

As the Cosmetology year came to an end we had many things happening. Our seniors will take their State Board of Cosmetology Exam on June 7, 2016. We are so proud of all of our students who have worked hard for the past two years. Many of our students have jobs lined up and a large majority of them will also head off to college in the fall. Good Luck Seniors!!!!

The juniors have been taking their mock State Board so they can move on to the senior year of Cosmetology. They are very excited to be taking over for the current seniors. We are looking forward to welcoming the new juniors in August.

Both groups of students were able to take part in a number of educational experiences. This year the students had the opportunity to take an airbrush makeup class, hair extension class and an icon scissor class. We also had a number of guest speakers from a variety of salons and colleges.

As the school year comes to an end we would like to thank everyone who has supported our program. We could not do it if it wasn't for everyone's support. Our customer clinic is closed for the year but will reopen after Labor Day. We hope everyone has a safe and enjoyable summer.

Performing Arts Academy Wraps 2016

by Tom Fulton, Instructor

THE ACADEMY FOR THE PERFORMING ARTS, located at Chagrin Falls High School, has just ended its 8th season. Last year was very good year. Our season opened with THE SECRET GARDEN. Eva Rudow led the cast with her excellent portrayal of Mary Lennox, the orphan girl from India, who finds a new family in the back-country of England. From there we



moved on to Eugene Ionesco's absurd comedy RHINOCEROS about a man who finds one morning that all of his neighbors are turning into RHINOCEROSES. The play is a political satire about the Nazi invasion of France during World War II. In February we performed the controversial play DOUBT about a nun who suspects a priest to be molesting a young student. The play was brilliantly acted by Lex Subbotin as the nun and Bryce Darby as Father Flynn, the priest. Mitchell Fields, the Academy's associate artistic director took on the American classic OUR TOWN – its sweet reverence for the little things in life in a small town in New Hampshire has not lost it's profound and beautiful message. And just a few weeks ago, the Academy closed William Shakespeare's TWELFTH NIGHT, directed by Dusten Welch and with a wonderful cast led by Kayce Kvocek as Viola and Lizzy Hoy as Olivia. It was an evening of frolic and fun.

It was a challenging year for the students learning new concepts and working very hard to master their craft as actors. In the end it really paid off. Our 30 graduating seniors garnered \$5,100,000.00 in scholarship offers – our best year yet. For the past 6 years, the Academy has averaged about \$3.9 million dollars each year in offers to our students.

We're very proud – and feeling so well supported by Excel TECC without whom programs like the Academy and the other great Excel TECC programs simply could not exist!

Congratulations
to our Senior
Recipients of
Certificates of
Program Completion



SKILLS USA WINNERS! Construction Trades & ITP

CONGRATULATIONS to the following students from the Construction Trades program and Information Technology and Programming program who earned awards at the recent SkillsUSA State competitions!

Gold Medal & National Qualifiers: (Construction Trades) Career Pathways Showcase Anthony Albino (West



Geauga), Ma'Liah Cunningham (Brush), Zachary Suba (West Geauga)



Silver Medal: (ITP) Computer Programming, Brandon Amdur (Orange)

Bronze Medal: (ITP) Career Pathways Showcase Gage Hanks (Brush) Brittany Mack

Gage Hanks (Brush), Brittany Mack (Brush), Thomas Citraro (Mayfield)

TECHNICAL EDUCATION CAREER CONSORTIUM
TECC Office: 6116 Wilson Mills Road • Mayfield OH 44143

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BACK -SENIOR SEND-OFF



30th Annual Excel TECC SENIOR SEND-OFF Celebrates Success!

On Thursday May 12, 2016 over 1500 people gathered in Mayfield High School gymnasium to celebrate the accomplishments of 400 senior students in Excel TECC career technical programs. The Senior Send-Off event highlights the awards and achievements of the students and presents them with their Program Certificates of Completion for attaining career technical standards. The event began with the National Anthem sung by Lois

Midamba (Orange), Enrique Caraballo (Beachwood) and Max Tartaglia (Mayfield) in the Performing Arts Academy program. The Director's Scholarship winner was announced: Josh Friedler (Aurora) in Environmental Education was awarded \$3,000. Congratulations to the Class of 2016 which earned \$10,854,547 in scholarship monies. The ceremony was followed by a reception prepared by the Culinary Arts class.



GO TO: http://www.mayfieldschools.org >ExcelTECC for news, program information & calendar of events