

ExcelTECC

News of EXCEL TECC • Mayfield Excel Technical Education Career Consortium

Vol. XVII No. 2

Serving School Districts:
• Aurora
• Beachwood
• Chagrin Falls
• Mayfield
• Orange
• Richmond Heights
• Solon
• South Euclid-Lyndhurst
• West Geauga
• Willoughby-Eastlake

Spring 2017

Director's Notes

by Nate Bishko

It has been another amazing year for our Excel TECC students and staff. I want to commend our programs, teachers and staff for so many successful events throughout the course of the year. To truly experience the greatness of our students, I encourage parents and residents to attend an event like our Fall Festival, the Environmental Spring Open House, The Culinary Grand Buffet and the Construction Trades Open House to name just a few. Please also know that so many of our Excel TECC programs can and will offer services to the community (<http://www.mayfieldschools.org/ExcelTECCCustomerServices.aspx>).

Congratulations to our 355 seniors on their recent graduation from their Excel TECC programs! They accumulated over 10 million dollars in scholarships to some of the most prestigious colleges and universities across the state and country. I want to personally wish all of our graduating seniors the best of luck in their future post-secondary endeavors. For the 2017-2018 school year, and for

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Program Power

CADD Students Finish an Exciting Year with a State Championship

by Craig Schmidt, Instructor

2016-17 WAS AN EXCITING SCHOOL YEAR for CADD Engineering Technology students; in addition to participating in several collaborative projects, CADD students were involved in competitions at the local and state levels.

The CADD senior team of Robbie Hall, Devon Medsker and Emily Pietrantone participated in the The Great Home Design Competition: The Great Urban Reuse House, earning 5th place overall and the prestigious "Architectural Award Design of Merit". As one judge explained, "if we were going to build one of the homes, this would be it." The team

CADD Seniors Emily Pietrantone, Ryan Previte and Devon Medsker won the Gold Medal/State Championship in the Career Pathways Showcase - Manufacturing at the SkillsUSA Ohio Championships in April.



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SKILLS USA WINNERS - ON TO NATIONALS!!



IN MID-APRIL, a team of 44 Excel TECC students competed in the SkillsUSA State Championships in Columbus. Of the 44 students, 24 medaled and 12 of those are National Qualifiers. Earning a medal at state places one in the TOP 150 in the country in their respective field and earning a Gold Medal places one in the TOP 50 in the country. National qualifiers will travel to Louisville in June to compete with over 5,000 other state gold medalists from the US.

CONGRATULATIONS and Best of Luck at Nationals to the following:
CADD Engineering: Gold Medal Team in Engineering & Manufacturing Showcase - *Devon Medsker, *Emily Pietrantone and *Ryan Previte [National Qualifiers];

Construction Trades: Gold Medal in Architecture and Construction

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Director's Notes (continued from page 1)

the first time in the history of Excel TECC, we will have a student enrollment of over 1000 students within our 28 programs consortium wide. We will also welcome in our brand new Exercise Science and Sports Rehabilitation program housed at Brush High School. Please enjoy your summers, be safe, and we will see everyone in August!

SkillsUSA... (continued from pg 1)

Showcase - *David Gelo and *Kyle Ross [National Qualifiers]; Bronze Medal in Carpentry - *Charlie Cole; Information Technology & Programming: Gold Medal Team in Information Technology Showcase - *David Bryson and *Max Kotlan [National Qualifiers]; Gold Medal Team in Web Design - *Max Brinton and *William Horvat [National Qualifiers]; Gold Medal in Computer Programming - *Dominic Ferrante [National Qualifier]; Silver Medal Team in Video Game Development - *Ryan Dockman and *Paul Stifler; Silver Medal in Technical Computer Applications - *Joshua Jaffe; Bronze Medal Team in Information Technology Showcase - *Simon Livshits, *Brendan Nolan and *Alex Tramontanto; Bronze Medal in Computer Programming - *Richard Sent; Medical Technologies: Silver Medal in Job Skills Demonstration - *Kayla Blake; 4th Place Team in Health Knowledge Bowl - *Lauren Boral, *Tessa George, *Jack Hann and *Erica Herchick; Fire/EMS Training Academy: Silver Medal in Public Safety Showcase - *Junior Class



Excel TECC Regional Skills USA Team

Busy Days for Culinary Arts

by Chef Danette McHale, Instructor

THE CULINARY ARTS PROGRAM housed in Beachwood high school is a busy place to be at the end of the school year. The junior students cater several large end-of-year events for Excel TECC. Starting with their Grand Buffet in late April, then their monthly Elderclass luncheon held in the Bistro, the Hillcrest Rotary awards banquet and Excel TECC's Senior Send Off in early May. In total, the students prepare food for approximately 1300 people in a three-week time-frame! All this on the heels of competition season where junior student, Melvin Abrams medaled in knife skills at a local beef competition and the junior Culinary Team competed at the state level bringing home a gold medal!

The culinary seniors have worked diligently this year to master their level two curriculum, log

400 hours of employment and pass their certification exams earning them 6 college credits. All seniors will be receiving the National Restaurant Association's COA (Certificate of Achievement).

As an end-of-the-year treat, both the junior and senior classes go on fine-dining field trips. This year, the seniors toured the Cleveland convention center

and urban farm and ate lunch at Mallorca downtown. The junior class went to Pier W on the west side. These students all know how to work hard and eat well!



Competition Juniors



[ABOVE] Fine Dining Seniors
[RIGHT] Cleveland Convention Center
Chef Matt DelRegno



CONGRATULATIONS EXCEL TECC WINNERS!

Look for our TECC winners throughout this newsletter



CADD...(continued from pg 1)

converted a former warehouse space to a home for a young couple or an empty-nester couple for their solution.

At the SkillsUSA Ohio Championships, the senior team of Devon Medsker, Emily Pietrantone and Ryan Previts won the Gold Medal/ State Championship in the Career Pathways Showcase - Manufacturing category for their presentation of their 3D-Printed Prosthetic Hand Project - a project that has spanned both their junior and senior years. The team will compete for a National Championship at the SkillsUSA National Championships in Louisville, KY in June. Fellow classmates Robbie Hall and Anthony Gamerman also made significant contributions to the project. Hall, and senior Will Korecky, competed in the first-ever Additive Manufacturing contest, finishing 9th overall.

For the sixth year, CADD seniors collaborated with Construction Trades students. During a joint brainstorming session, students discussed various ideas to convert last year's Tiny Homes Project. CADD students refined several ideas, and the group chose "The Shoppes @ Excel TECC" as the concept. Various Excel TECC programs occupied the various spaces during the Open House on May 12 to create an Excel TECC shopping village! To support the project, CADD seniors produced preliminary design, design development and construction documents for Construction Trades' use in their construction process. As her CADD Capstone Project, senior Brittany Gilmour programmed the CNC Router to produce the storefront signs for each of the "tenants" in the shops.

CADD juniors began collaboration with 4th grade music students at Gates Mills Elementary to create Music Walls. Students will use these walls, created of various materials, such as pipe, pans, spoons, bottles, etc, to produce "music". In addition to brainstorming ideas with the 4th graders, CADD juniors modeled solutions using the SolidWorks application. The 4th graders selected designs by Alex McCullough, Carter Hefern, Anthony Favazzo and Dylan Kachline, and those designs will be built by CADD students and unveiled during a field trip next fall. Merging engineering with music is taking us from STEM to STEAM!

For the second year, CADD seniors produced 3D-printed logo centerpieces for major contributors to Mayfield's Green Tie Gala. The team, led by Julio Lemus and Ryan Viga, produced 43 centerpieces on the programs 3D printers - on time, with no issues!

Finally, the CADD Engineering Technology Program was given the "Exemplary Program Award" by the Lakeland Community College Tech Prep Governing Board during its May meeting.

Follow Excel TECC CADD on social media: @exceltecccadd



Ohio Senator Kenny Yuko reviews CADD's construction documents with senior Brittany Gilmour at the Construction Trades Open House in May.

Travel, Tourism and Hotel Management

by Cathy Covill, Instructor

WHAT A BUSY YEAR! Students have completed end of course testing in WebXam, worked on their Virtual Hotel Business, earned certification in ServSafe Food handler, completed interview training, created résumés, worked with the NCI Cosmetology program on inventory procedures, and took the American Hotel and Lodging HTMP Year 1 exam.

The class enjoyed speakers from *Destination CLE, Johnson and Wales University*, a student from *Eastern Michigan University* who spoke about her *Disney Internship* experience, and a representative from *Ohio Hotel and Lodging* spoke about careers in the industry. Places that TTLM students toured included: Niagara Falls, Kalahari Water Park in Sandusky, Radisson Hotel, and LaVera Party Center. They also worked on project based learning activities that included Event Planning and Vacation Planning.

Students have secured summer jobs that include working at Mayfield Country Club, Cedar Point and in the McDonald's management program. Seniors that are continuing with their education have chosen to study at Cuyahoga Community College, Hocking Technical College and Kent State.



Travel, Tourism and Hotel Management students in Niagara Falls



**Best Wishes
to the Excel TECC
Class of 2017 in
your future endeavors!**

LPN Involved in Real-Life Research

by Lori Koncsol, Instructor

THE LPN JUNIOR CLASS was one of 17 nationwide schools who participated in a research study funded by Robert Wood Johnson Foundation. The researchers' goal was to gain greater understanding about free drinking water sources in schools across the country and help develop programs to access quality drinking water in schools. The students gathered data from five schools within the Willoughby-Eastlake School system and submitted digital evidence of the schools' water sources. The University of California Nutrition Policy Institute has appreciated and acknowledged the students' participation and adherence of the research standards. The LPN students gained knowledge of scientific methods and appreciation of water sources in school.



CONSTRUCTION TRADES OPEN HOUSE

a SPECIAL THANK YOU to:

- *Wesley Family Foundation
- *Chas. Svec, Inc. * Best Buy Painting
- *Koltcz Block * W F Hann & Sons
- *Northeast Ohio Carpenters' Union
- *Ohio-Kentucky Bricklayers' Union
- *Northeast Ohio Electrical Union

...for their support, donations and contributions.

Thank you to all guests who attended.

31st Annual Excel TECC SENIOR SEND-OFF Celebrates Success!

ON THURSDAY MAY 11, 2017 over 1500 people gathered in Mayfield High School gymnasium to celebrate the accomplishments of 355 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 students in the Performing Arts Academy program. The Director's Scholarship

winner was announced: Leann Siupinys (West Geauga) in Interactive Media was awarded \$3,000. Congratulations to the Class of 2017 which earned \$10,639,171 in scholarship



Mayfield Cosmetology

by Maryanne Hummell and Debby Kall,
Instructors

AS THE COSMETOLOGY YEAR cAme to an end we had many things happening. Our seniors took their State Board of Cosmetology Exam. 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 took 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. The junior class welcomed family and friends on May 9, 2017 for a spa day. The students pampered their family members using the talents they have been learning for the past year. We are looking forward to welcoming the new juniors in August.

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 at the beginning of September. We hope everyone has a safe and enjoyable summer.



Spa Day



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Technical Education Career Consortium

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Nathan Bishko, Director
Joe Rico, Dean of Students
Joe Hayes, Guidance, Admissions

*Exce*LETTER
published 2x per school year
Kay Vincent, Editor

Studio Art & Design: Record-setting National Medalist Achievement

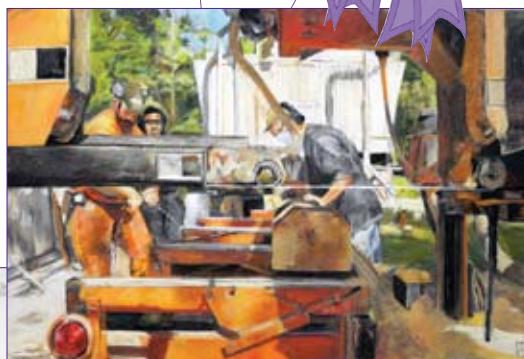
by Dan Whitely, Instructor

THE 2017 SCHOLASTIC ART & WRITING AWARDS is the nation's longest-running and most prestigious recognition program for creative teens in grades 7–12. Within the Awards' 29 categories, which include poetry, photography, sculpture, humor, editorial cartoons, and video game design, a record-breaking 330,000 works of art and writing were submitted nationally.

2017 National Exhibition: Approximately 1,300 of the top Scholastic Art & Writing Awards visual and literary works will be on display for the public at the Sheila C. Johnson Design Center at Parsons School of Design at The New School and Pratt Institute's Pratt Manhattan Gallery in New York City.

National Medalists

Grace Bohlen	SILVER -Portfolio
Andy Kousa	GOLD -Drawing
Camryn Fish	GOLD -Jewelry Sculpture



[ABOVE] Andy Kousa

[LEFT] Camryn Fish

[BELOW] Grace Bohlen



CADD/Construction Trades Open House

ON FRIDAY 12 MAY 2017, the CADD / Construction Trades annual Open House was held at Mayfield High School. This year's theme was 'The Shoppes at Excel TECC' and featured stores set up for various Excel TECC programs. Medical Technologies ran a clinic with blood pressure screenings, ITP ran a 'pawn' shop featuring the history of technology, Environmental Education ran a Nature Shop, Culinary Arts ran a snack shop, Studio Art & Design set up an art gallery, Cosmetology ran a salon, CADD set up an engineering shop, Interactive Media set up a caricature station, TEACH ran a child care area and Construction Trades ran a 'Build-a-Burger' shop. The day started with a presentation by CADD students on the process of designing and drafting the homes and their collaboration with the Construction Trades students who followed the blueprints to build the houses. CADD also provided CNC shop signs.



Environmental Education

*ACE-Agriculture and Career Exploration- Becky Gardner, Instructor
 Greenhouse and Gardening Operations- Kym Judson, Instructor
 Cleveland Botanical Garden- Kim Haydu, Instructor
 Landscape Construction and Design- Ed Tuhela, Instructor
 Sam McCracken- Gates Mills- CBI, Instructor*

EXCITING NEWS FOR NEXT SCHOOL YEAR: GMEEC computer lab will now house our own Landscape Design Studio! A special addition to our landscape design curriculum will give the student skills to WOW customers by creating designs on a computer!

Spring Open House and Plant Sale was a huge success. We almost sold out completely of all of our annuals and hanging baskets! This spring was busy with volunteer opportunities and finishing our long list of customer work projects.

FFA Floriculture contest events are a large part of our early spring learning. The groups study general knowledge, floral identification, and floral design of bud vases and corsages. Danielle Kaufman-(Beachwood), Rayne Gasbarrino (West Geauga), Kaylen Anderson (Mayfield), R.J. Berger(Mayfield)) hard work paid off as they earned **2nd place in the District FFA Floriculture**. GMEEC's top scoring students continued on to earn a **4th place at the FFA State Floriculture Event** (Danielle Kaufman (Beachwood), Rayne Gasbarrino (West Geauga) , Dana Frank (Mayfield), Tess Harold (Brush).

Special mention goes to individual scores....

Madison Morra (Orange) **1st place**, Danielle Kaufman (Beachwood) for **2nd place**, Dana Franks (Mayfield) **5th place**, and Rayne Gasbarrino **8th place** in the **FFA District #3 Floriculture Contest**

We are very proud of Danielle Kaufman for **2nd place in the FFA State Floriculture Event!**

The Cleveland Botanical Garden Class has been really busy with the spring season. Midtown and Buckeye Woodland Farm, are two sites of the Green Corps that our students have spent a lot of time this spring amending soil with compost, making new beds, plantings and lots of weeding. Soon the gardens will be full of fresh local produce to be sold at local markets. At CBG main site, we assisted the horticulture staff with the various themed gardens spring cleanups 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 long show called Nature Connects: Art with LEGO® Bricks. For more information see cbgarden.org.

The landscape Construction and Design students spent the spring time working on our 28.8 acre campus. There were several trees that needed to be taken down due to damage from the spring winds and heavy snow. The students continued to grade a large area that stored excess soil. The students used the skid steer and tractor to smooth the soil and continue the natural slope of the land. They used the transit to measure the correct slope. The students tuned up all of the machinery and made several repairs so the equipment will be in top and safe working condition for the season. Various other tasks were

completed such as repairing the irrigation system after the winter season, and getting the pond up and running. We were surprised but happy that the fish survived the winter. The juniors are getting ready for their senior year and are planning which landscape events they will practice to compete in for the Ohio High School Olympics next November. The students had a busy but rewarding spring.

Senior Send Off and Senior Awards Night

Watching our seniors graduate is a very special time for us to celebrate their accomplishments. Excel TECC Senior Send-Off is special because the students walk across the stage to receive their certificate that they have worked for two years. Our GMEEC awards night is a time when we announce our scholarship winners and celebrate as a family. We work along the sides of the students watching them grow. The scholarships are awarded to students that go above and beyond, have a passion for the green industry, great grades and attendance.

Congratulations to our 2017 GMEEC Seniors!



GMEEC Awards
 Night:
 [starting at top] Grant;
 Kai; Jarrett; Ayub



S.T.E.M. IN ACTION...1st NOISE EXPO Draws Huge Crowd

by Greg Perry, Instructor

ON SATURDAY, APRIL 22, 2017, over 5,000 students K-12 and adults attended the first NOISE Expo at Beachwood High School. NOISE which stand for Northeast Ohio Innovative STEM Expo was an all-day event that featured S.T.E.M. (Science Technology Engineering Mathematics) principles in action from area businesses and organizations. Highlighting NOISE was entertainer, Apollo Robbins of National Geographic's Brain Games.

Apollo Robbins helped to draw in attendees with two standing room only performances sponsored by Beachwood City Schools. Apollo, known as a gentlemen's thief, focused his performances on the science of deception and sleight of hand.

The students dove into over forty hands-on demonstrations from companies like ASM, Eaton Corporation, Holden Arboretum, Cleveland Museum of Natural History, Little Medical Academy and Nordson. The first 1,000 students each received free lab coats, goggles, and STEM swag bags as they entered NOISE. The goal for NOISE was to excite students for S.T.E.M. principles and to see them applied through a large variety of business applications.

The ASM Materials Education Foundation hosted a Materials Mini-Camp within NOISE. Demonstrations included: Keeping Astronauts Cool, Nitinol: a Shape Memory Alloy, Can Steel Take the Heat?, Super Absorbent Polymers, Corrosion – Ball Bearing Experience, and Melting Metal with Microwaves.

Fifty student entrepreneurs from middle school to college were featured in the Young Entrepreneur Market sponsored by the Burton D. Morgan Foundation.

A STEM Marketplace, robots, paper airplane launchers, CADD Engineering, 3-D printing and a STEM Toy Shop enhanced the event. Area food trucks and the Euclid Beach Rocket Ship car added to the fun of the day. In total 136 companies and organizations participated in NOISE.

NOISE was created and produced by the Marketing students at Beachwood High School. Forty-four seniors from nine area high schools attend the Marketing program through Excel TECC.

Due to the overwhelming success of the first NOISE, a second one is already being planned for Saturday, April 13, 2019.

For more information, please visit: www.noiseexpo.com or Mr. Greg Perry gwp@beachwoodschools.org



**ENVIRONMENTAL EDUCATION
FAMILY FALL FESTIVAL**
Saturday OCTOBER 7-2017 • Noon-4:00pm
HOLIDAY PLANT SALE/OPEN HOUSE
Friday DECEMBER 8-2017 • 8:00am-6:00pm
SPRING PLANT SALE/OPEN HOUSE
Friday MAY 1-2018 • 8:00am-6:00pm
Gates Mills Environmental Education Center-390 County Line Road
440-995-7565

SAVE THE DATES!

Sign up for Work Projects for Fall Season!
Call (440) 995-7556 - Projects will start in September

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STUDIO ART**

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NTHS**



Students in Business Academy class with Ken Urbania, from Nationwide Insurance. Mr. Urbania served as a classroom mentor, judge and liaison throughout the year.

Business Academy Events

by Lisa Simon, Instructor



Ms. Lisa Simon with her Business Academy students, Jasmine Gaskin and Sharnae Emory working at the Young Entrepreneur Market at the Enspire Conference. Both girls have created their own businesses.



Students in Business Academy working on STEM Business Plans, working with Believe in Ohio mentor, Jim Montaquila. Mr. Montaquila came in four times to help students.

CONGRATULATIONS - NTHS 2017 Inductees!

CONGRATULATIONS TO THE 73 Excel TECC students inducted on Thursday April 13, 2017 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 ten of our consortium districts and thirteen career technical programs. The induction ceremony was held at Mayfield High School, followed by a reception.

