

EXCEL LETTER

News of EXCEL TECC • Mayfield Excel Technical Education Career Consortium

Serving School Districts:

- Aurora
- Beachwood
- Chagrin Falls
- Mayfield
- Orange
- Richmond Heights
- Solon
- South Euclid-Lyndhurst
- West Geauga
- Willoughby-Eastlake

Vol. XVII No. 1

Fall 2016

Director's Notes

by Nate Bishko

Welcome back students! I hope that you all had a relaxing summer and are ready for a great year. Excel TECC is coming off what could be, our most amazing year ever. Our 368 graduating seniors earned over 10 million dollars in scholarships and we have averaged a 95% post secondary rate the last five years. This means that virtually every student who completes an Excel TECC program will go on to college, the military or be immediately employed. In addition, we had three state champions in the Ohio Skills USA construction trades team competition and countless state qualifiers and regional winners from a variety of programs. Also, after much planning and collaboration, we are proud to add the Willoughby-Eastlake City Schools to the Excel TECC Consortium. WES has two high schools and 9 new program offerings for our students. Parents, please understand that your sons and daughters are now a part of the best career technical education compact in the entire state of Ohio. To

...continued on page 2

Program Power

Business Academy

by Lisa Simon, Instructor

The Business Academy students are settling in nicely to their new classroom. Students have started understanding the importance of teamwork and communication in Business with Friday activities that encourage group think. Levels I and II are comprised of Principles of Business and Marketing, respectfully.



Travel, Tourism & Hotel Management

by Cathy Covill, Instructor

After enjoying team building activities the first day of class, both the juniors and seniors are off to Niagara Falls, New York in September! The students in TTLM will get to go on the Maid of the Mist, tour the Cave of the Winds and Aquarium of Niagara, and visit Niagara Adventure Theater, and Niagara Gorge Discovery Center.

Senior students begin food safety and sanitation training to earn their ServSafe Food Handler certification. They will also be job shadowing at LaVera Party Center and Breckenridge Village for event planning.

Juniors have been invited to tour Classic Park in Eastlake and Quail Hollow Resort in Concord. They will also be working on their first industry certification from American Hotel and Lodging association.



Director's Notes (continued from page 1)

read go to: http://www.achieve.org/files/Achieve_OHcareerTech.pdf

Make sure you are consistently checking our webpage for Excel TECC events, noteworthy news and products and services offered by our programs. I have no doubt that this will be another fantastic year for our students and staff. If you need information or have questions about any of our Excel TECC programs or are interested in a tour, please don't hesitate to contact me.

COMING SOON...

...NEW program for the
2017-2018 school year:



Exercise Science & Sports Rehabilitation

College Tech Prep
[minimum 6 college credits upon completion]
Site: Brush High School
Two year program
Credits: 3 each year (junior & senior)

Do you strive to promote healthy living? Do you enjoy helping people meet their wellness and athletic performance goals? This health science program will help you learn the basics of preventing, diagnosing and treating injuries related to sports and/or science exercise. Exercise Science & Sports Rehabilitation also offers real work experience through shadowing and clinical hours in an approved healthcare facility.

COURSES

- Health Science and Technology
- Exercise and Athletic Training
- Medical Terminology
- Athletic Injuries and Prevention

Applications taken
starting December
2016 for 2017-2018
programs. Opportunity
Day/Night: Thursday
December 8-2016 at
Mayfield high school
to preview all Excel
TECC programs



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ExcelLETTER
published 2x per school year
Kay Vincent, Editor

Welcome Excel TECC at Northern Career Institute in Willoughby-Eastlake!!

Joining the Excel TECC family beginning this year are the programs and staff of the Northern Career Institute [NCI] and the students and families of the Willoughby-Eastlake City School District.

Willoughby-Eastlake brought nine new programs to the alliance. Under the umbrella of the Excel TECC consortium, the following career technical offerings for high school students are now available to all students in our ten-district consortium: **Allied Health**, Danielle Blood, instructor; **Auto Collision**, Lou Masitto, instructor; **Automotive Technology**, Mike Evans, instructor; **Business Academy**, Lisa Simon, instructor; **Cosmetology**, Mindy Montello and Peggy Jean Teske, instructors; **Health Informatics**, Carisa Lindsay, instructor; **Licensed Practical Nursing**, Lori Koncsol, instructor; **Medical Assisting**, Deanna Sanford, instructor; **Production Welding**, Mark Stevens, instructor; **Travel, Tourism & Hotel Management**, Cathy Covill, instructor; **Welding**, Ryan Eubank, instructor. Excel TECC is looking forward to working with these instructors, along with NCI staff: Susan Roseum, Principal/Director; Barb Kinkoph, Administrative Assistant, and instructional assistants, to provide quality career technical programming.



WELCOME Willoughby-Eastlake staff!!

Welcome Willoughby-Eastlake Families & Students!!

Excel TECC is pleased to welcome the Willoughby-Eastlake City School District students. The programs mentioned above (which are located in Willoughby and Eastlake) join the current programs: CADD Engineering Technology; Medical Technologies; Construction Trades; Interactive Media; Information, Technology & Programming; Job Training; and Cosmetology (all located at Mayfield HS); Environmental Education (at Gates Mills Environmental Education Center); Fire/EMS Training Academy (at Tri-C); Digital Arts & Technology (at Aurora HS); Performing Arts Academy (at Chagrin Falls HS); Studio Art & Design (at Orange HS); and Marketing, Culinary Arts and TEACH (all at Beachwood). All consortium 10th grade students and parents are invited to Opportunity Day/Night this year on Thursday December 8, 2016 to preview program courses and meet the staff. Please visit us at www.mayfieldschools.org for program information and current news.

Medical Technologies

by Joanna Davidson and Debby Elam, Instructors

The academic school year of 2016–2017 is off to a great start for the Medical Technologies program which is housed in the Innovation Center on Mayfield High School’s campus. This is our second year in the Innovation Center and it feels like home to all of our teachers and students. Senior Med Tech students returned to school excited about this year’s ten week medical internship experience. Juniors are meeting and greeting each other for the first time and they are quickly becoming friends and beginning the process of bonding and collaborating with one another. As of late, their conversation is abuzz about this year’s health care shadowing experience.

During the summer months, our students still had their health careers on their minds. Seniors, Anna Famadico and Margo Lackritz completed a nine week, paid summer internship at Cleveland Clinic. The senior class held a car wash at the Chagrin Falls BP station to raise money for their senior banquet that will be held in May of 2017, and many seniors visited college campuses to begin the selection process for their academic future.

To begin the school year and build collegiality, students participated in the “You in a Bag” activity, an activity where students share about themselves, their families, friends, pets and hobbies. Sharing included special mementos such as pictures, drawings, trophies, awards, and even a celebrity’s autograph! Presentations were enjoyed by all and assisted in the building of relationships that we hope will last a lifetime.

The junior curriculum began with addressing the Chain of Infection and prevention techniques. The students learned that they can be a change agent in this modern day of resistant microorganisms merely by incorporating a most important, but basic technique to preventing infection, that being handwashing. Students studied the proper 15-20 second handwashing procedure and the importance of hand hygiene when encountering a patient in their hospital environment. In addition, Medical Technologies juniors began to study the importance of vital sign assessment and skill accuracy. The goal is to perfect temperature, pulse, respiration, and blood pressure assessment and technique. We know that “practice makes permanent” so you might have been approached by your student, son, daughter or friend to teach and practice handwashing and vital sign assessment. We appreciate your patience and support with this reiterative process. Know that you are aiding in the production of skilled and competent health care workers! By the way, juniors are looking professional in their new crisp Caribbean colored scrubs. Be sure to let them know how wonderful they look if you see them in the school hallways.

Seniors are excited to be back and begin their last year in Medical Technologies. This year, curricular changes bestow several benefits upon

the senior class. Firstly, through articulation with Lakeland Community College, seniors now earn thirteen college credits, an increase from seven, upon graduation. Secondly, senior classes take place in the mornings from first through third period. Because of this change, all seniors can meet in the Innovation’s Amphitheater for special events, presentations and announcements before we commence instruction in individual classrooms. Thirdly, on Wednesday mornings, seniors are privileged to attend their 10 week internship opportunities during the height of the hospital’s/office’s day activities – 7:30am to 11:30am.

First semester senior internships are scheduled to begin October 5, 2016. These seniors are preparing for their internship through competency skill testing by Cleveland Clinic and University Hospitals. Upon completion of successful competency testing the seniors will be able to perform hands-on care at UH or CCF with their mentor at their side. Second semester internships are scheduled to begin on February 22, 2017. Forty eight seniors will be completing internships this academic school year. Placements are in radiology, physical therapy, pharmacy, veterinarian medicine, EMS, pediatrics, pediatric emergency room, postpartum/antepartum care, medical / surgical care, an observation floor, clinical and anatomical lab, clinical research, embalming, and sports medicine. Presently, first semester seniors are onboarding to the hospitals and signing contracts of participation. Good luck seniors!!

Senior officers have been elected for the 2016–2017 school year. They are President Erica Herchick (Solon), Vice President Chloe Jamison (West Geauga), Treasurer Margo Lackritz (Beachwood), and Photographers, Raven Drake (Brush), Erica Herchick (Solon) and McKenzie Reed (Mayfield). Officers will be working on the Homecoming parade, Fall Fest, welcome event for juniors, fundraising activities, study sessions, and senior banquet. Congratulations officers!! We wish you well and support your ideas and efforts.

The year will go by quickly, so we encourage all of our students to treasure each day together and work hard to reap the benefits!!



Margo



Anna

Mayfield Cosmetology - Open for Business

by Maryanne Hummell and Debby Kall

The Mayfield Cosmetology program is off to a great start and would like to welcome the new junior students to the program. The seniors are excited to have opened their customer clinic to the public and will be preparing to take their State Exam this May. The Juniors have already cut hair and are starting on learning their other State Board of Cosmetology procedures. Hours of operation are Wednesday, Thursday, and Friday's 11:30 a.m. to 2:00 p.m. It is recommended that if you want to come in for a service you make an appointment by calling 440-995-6740. If you need a price list just call us and we can send one out to you. It is a great time to schedule a manicure or pedicure before winter comes. We look forward to seeing you this year.

Our senior students started their Internship in a salon in September and continue through January. This will give the students the opportunity to work hand-in-hand with a Managing Cosmetologist and will be able to perform the skills they have learned in their program. We are very excited that our students have the opportunity to go on an Internship. Our students have been placed in a number of salons in all of the school districts that send students to us. If you see them out there in a salon please say 'hi' to them. They will need a total of 150 hours to be eligible for their State Board of Cosmetology Exam. This hands-on opportunity is a great benefit for both our students and the salon owners.

The students of Mayfield Cosmetology will have a booth setup at the Mayfield Family Fall Fest this October. We hope you come out and visit our students. They will be polishing nails and doing crafts with the children.

► [TOP] Mayfield Cosmetology Juniors
[BOTTOM] Mayfield Cosmetology Seniors



PRESS RELEASE

MARKETING PROGRAM MAKES NOISE ABOUT S.T.E.M.

STEM – SCIENCE TECHNOLOGY ENGINEERING MATHEMATICS will be the focus of the Marketing Program at Beachwood High School for the 2016-17 school year. On April 22, 2017 from 10:00-4:00 will be hosting the **NOISE Expo**.

NOISE is a one-day expo showcasing STEM (Science, Technology, Engineering, Mathematics) principles through hands-on activities and a STEM Marketplace highlighting the entrepreneurship that stems from STEM.

NOISE will feature over 100 businesses and organizations, activities for students K-12, a Young Entrepreneur Market, **Entertainer - Apollo Robbins**, food trucks and is expected to draw thousands of attendees.

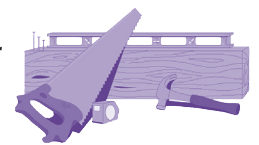
For more information, please visit: www.noiseexpo.com or Mr. Greg Perry gwp@beachwoodschoools.org



Construction Trades in Full Swing

By Rick Ziony, Instructor

The Construction Trades class is going with hammers at full swing! The class consists of 27



juniors and 27 seniors. We are doing demolition on our buildings from last year while teaming up with the CADD students to brainstorm what we will be building this year. The senior class is working on some outside projects. If you are interested in getting any construction-related projects done at your home and live close in the area, please call us at 440-995-6744.

CADD Engineering Technology - Off to a Great Start!

by Craig Schmidt, Instructor

The CADD Engineering Technology program is off to a great start for the '16-'17 school year at the Mayfield Innovation Center! All Fabrication Lab equipment is up and running, including a CNC router, CNC mill, Laser engraver/cutter, vinyl cutter and other related equipment. We plan to put these machines to use for a number of projects this year.

We welcomed 24 juniors in August - our largest class ever. That class also includes students from the Willoughby-Eastlake school district, which is our newest district in the consortium. This year promises to be our busiest yet!

For the first time in nine years, the CADD program will participate in Skills USA, a national career technical organization. Students can have the opportunity to compete in various regional and state competitions in engineering, architecture and additive manufacturing. State gold medal winners will have the opportunity to compete nationally.

CADD seniors will also have the opportunity to compete in the 20th Annual 2017 Student Model Home Design Contest. The top 10 homes in the competition will be featured at the Cleveland Home and Garden Show in early 2017. This year's criteria includes the conversion of an existing structure into a functional and aesthetically pleasing residence.

Incoming CADD juniors participated in the Newspaper Challenge the first day of class this year. Student teams were given three sheets of newspaper, cellophane tape and construction paper, with the goal of constructing the tallest tower possible that would withstand the winds from the classroom fan without toppling. The team of Jamie Lose, Carter Heffern and Dylan Kschline constructed the tallest tower that withstood the winds, and each won a 3D-printed trophy for their work.. We have several challenges throughout the year, giving students the opportunity to utilize their engineering and design skills in quick, team-based activities.

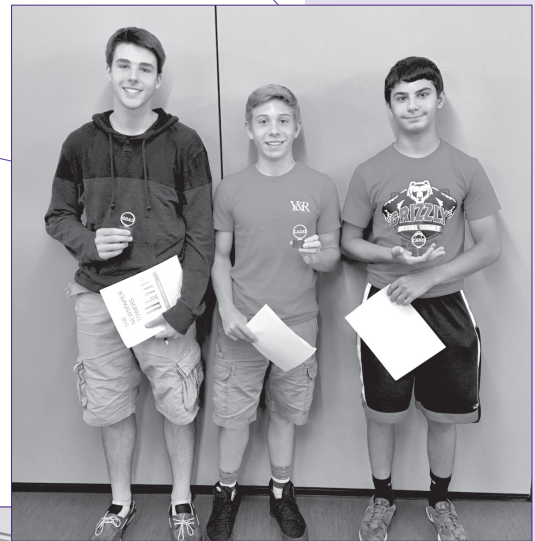
CADD juniors and seniors will once again attend National Manufacturing Day on October 7. The event, which is part of a larger national event, is held at Formtek, Inc. in Warrensville Heights. For the second year in a row, CADD students have also been asked to display the 3D-printed prosthetic hands they worked on last year, alongside area manufacturing firms.

Last May, a group of CADD juniors (Robert Hall, Devon Medsker, Ryan Previte and Emily Pietrantone) completed and presented one of the prosthetic hands to 10-year old Manny Kothe. Local TV stations WKYC and Fox 8 were on hand, as well as the News-Herald. PBS Ideastream also filmed the event, which will be broadcast on the "Ideas" program at a later date. What started out in an email in late August 2015, evolved to the point where this student team changed a young man's life in May!

CADD seniors have started work on the '16-'17 Homes project, now in its fifth

year in collaboration with the Construction Trades program. CADD seniors and Construction Trades seniors worked together to brainstorm design concepts the first week of school, and CADD seniors have modeled the concepts in Autodesk Revit. CADD seniors will present the concept to the Construction Trades seniors just after Labor Day. Once a concept is selected, CADD seniors will refine the designs and prepare construction drawings for Construction Trades' use. This is a truly collaborative project, and if the concepts are any indication, this year's project will be the biggest yet!

You can follow Excel TECC CADD on Instagram, Facebook and Twitter @excelteccadd



▲ The student team of Jamie Lose, Carter Heffern and Dylan Kschline show off the 3D- printed trophies they won for the tallest tower in the Newspaper Challenge on their first day of class.



◀ The CADD student team of Emily Pietrantone, Devon Medsker, Ryan Previte and Robbie Hall assist Manny Kothe with the 3D-printed prosthetic hand they created last May, while media photographers and videographers record the event.

Environmental Education - Sites Around Town

ACE Program

by *Rebecca Gardner, Instructor*

The students in the ACE program have hit the ground running this year. Off-site work projects are underway, paid internships have begun and many educational field trips have been planned.

The students have partnered with the Alliance of the Great Lakes and will continue to volunteer at Sims Park Beach in Euclid. The debris left behind from careless boaters and beach dwellers is collected, counted and recorded. The water is also studied for temperature, clarity, long shore current and also wind speed. The students enjoy being out near Lake Erie and get to see their efforts actually making a change. The students also noted that there are no trash cans near the beach and will report this to the proper agency and hopefully get better control on the debris.

Students enrolled in the ACE program also are eligible to participate in a paid internship program. Students that are current in all assignments, have exceptional attendance and display professionalism, qualify for this program. Students participating are:

- David Black, Beachwood High-Green Estates, Inc.
- Dana Frank, Mayfield High-Maid Bright
- Corey Mendes, Beachwood High-Claystone Farms
- Ayub Rainey, Brush High-Green Corps
- Jordan Andrusk, Brush High-Recycling Plant

The students traveled to the West Side Market and Cleveland Public Square for a day long field trip. At the market, students will study fruits and vegetables and complete a scavenger hunt. Students love this annual visit. After the morning, we headed downtown to discuss the newly renovated Public Square. Students participated in a landscape layout and design lesson. Traffic patterns, usage, space allotment, environment and plant usage were discussed. Students enjoyed the water feature and people watching best.

Congratulations to the newly elected FFA officers: President Dana Frank, Mayfield; Vice President Ayub Rainey, Brush; Secretary Ariyelle Frazier, Beachwood; and Treasurer DeSha Ransom, North.

Cleveland Botanical Garden

by *Kim Haydu, Instructor*

Cleveland Botanical Garden students are getting used to the numerous gardens during their lab. Each garden is a valuable part of our extended classroom. Students are also taking an interest in studying plant identification for a district contest in October at Holden Arboretum. During our class the students are also busy harvesting organic herbs and vegetables. The produce is sold at the Shaker



Market (Saturdays) and The Cleveland Clinic Market (Wednesdays). The students pick, wash, package and store the produce fresh for the markets. Being sold through September and October are tomatoes, greens, basil, dill, peppers, carrots, and beans. The money raised feeds directly back into the Mid Town Garden and their Green Corps Program. Also please support your local farmers for they give you fresh produce: more nutritious, better tasting, cheaper, better for the community and the Earth!



Environmental Ed-Career Based Intervention by *Sam McCracken, Instructor*

The students in the CBI program have been hard at work since returning in mid-August. The students are continuing to work on planting a multipurpose perennial garden. Not only is the garden an attractive outdoor space but it will also be used for propagation. The students have learned about selecting perennials for a dry sunny area, how to maintain a perennial garden and how to correctly propagate them. The students will be dividing and taking cuttings from the perennials and learn all the stages of perennial plant production. The perennials that they have grown will be available to purchase at our annual spring plant sale. The students have also been busy learning about Landscape/garden maintenance. They have been learning and practicing pruning skills on many of the trees and shrubs on our 29-plus acre campus.

Greenhouse & Gardening Operations by *Kym Judson, Instructor*

The Greenhouse and Gardening operations

Environmental Education - Sites Around Town...continued

class has been working to clean up the vegetable gardens and plant cool weather crops such as beans and lettuce. The garden, sponsored by the Cuyahoga County Master Gardeners, supplies fresh vegetables to the Magnolia House.

Floral Students will be creating a fresh flower bouquet once a month for Center school. The staff and students are interested in learning the various meaning of flowers.

Plant of the month, a popular service offered by the students, gives staff from all schools in the consortium a chance to receive fresh flowers or plants six times per year! The cost is \$65 dollars and allows the students to grow, design, decorate and deliver their creations.

The greenhouses are being cleaned and sterilized to accommodate close to 400 poinsettias that will be for sale during The Holiday Open house on Friday December 2, 8:00 a.m. to 6:00 p.m.

This class has also been working at Beechmont Country Club and various private residences. Several field trips are planned for September and October, Visiting Holden arboretum and climbing to the top of the trees on the new Emergent tower should prove to be very exciting.

The class will be creating displays and constructing games for the fall festival which will be held on Saturday October 8, 2016 from noon to 4:00 p.m.



Landscape Operations

By Ed Tuhela, Instructor

The Landscape Operation class got off to a dynamic start. The juniors are learning all of the fundamentals of landscape maintenance and the importance of each operation. The seniors are improving on their skills from last year.

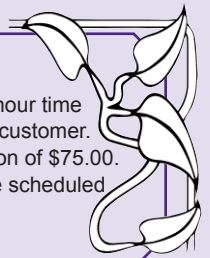
They are starting to prepare for a new competition. The Ohio Nursery and Landscape Association is offering a new type of competition this year. It is the Ohio High School Landscape Olympics. It is designed by various landscape professionals. The idea is that the landscape industry is preparing the students for a career in the industry, and each activity represents an important operation that they feel the students need to learn. A few of the activities include:

- Construction cost estimating - The students will be given a landscape plan of a landscape installation contract. The students will be expected to create an estimate of costs and labor hours for the installation.
- Hardscape installation – The students will be given a plan and be required to construct a paver patio and /or freestanding wall.
- Irrigation assembly – The students will be required to read a plan and assemble an irrigation system including wiring valves to a certain controller. The system will be hooked up to a water supply through a check valve. The score will depend on how well the system works as it progresses through the zones.
- Plant installation – The students are required to know and understand the PH, water, fertilizer, root structure and environmental factors of a list of plants. The students will have to test the soil provided and make any corrections to drainage, organic matter, content, soil PH, fertilizer micro and macro elements and environmental factors. The plants will have to be placed and planted to plan.

The students are also judged on how they perform as a team, work together and explain to the judge what they are doing. These competitions have come a long way from the days of simple plant identification and multiple choice tests. They prepare the students for higher education post high school tech class and set them up for a successful, enjoyable career in the green industry. All judges are business owners in the field, so the students might be interacting with their future employers.

WORK PROJECTS

Students edge, prune, mulch, seasonal clean-up, etc in a two hour time frame. The teachers lead the class with the tasks given by the customer. The class brings the tools and equipment. The cost is a donation of \$75.00. Schedule for fall season now; spring work appointments will be scheduled after the first of the year. Call Ed Tuhela for more information at (440) 995-7556.



Plant of the Month

Offered by the Floriculture and Garden Operations class. Enjoy six months of beautiful plants/floral designs delivered right to your school if you are a staff member in the Excel TECC consortium. All other customers must pick up at the GMEEC location. Call Kym Judson for more information at (440) 995-7553.

***Also special event flower orders can be ordered!!!**



GMEEC
Gates Mills Environmental Education Center

10% off purchases at
Winter Open House &

Plant Sale

VALID 12/2/16 8AM-6PM
Present this coupon to the cashier

HOLIDAY OPEN HOUSE & PLANT SALE
Friday December 2 - 8:00am-6:00pm
390 County Line Road - Gates Mills



TECHNICAL EDUCATION CAREER CONSORTIUM

TECC Office: 6116 Wilson Mills Road • Mayfield OH 44143

INSIDE...

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ED

7 -ENVIRONMENTAL
ED

8 -CULINARY
ARTS

DATES TO MIND:

ENVIRONMENTAL EDUCATION HOLIDAY OPEN HOUSE/ PLANT SALE

Friday DECEMBER 2-2016
8:00am-6:00pm

SPRING OPEN HOUSE/ PLANT SALE

Friday MAY 5-2017
8:00AM-6:00PM

Both Open Houses held at Gates Mills
Environmental Education Center
390 County Line Road
440-995-7565

Check out our public services & events:

- Cosmetology - page 4
- Construction Trades - page 4
- Environmental Education - page 6-7

Culinary Arts

by Danette McHale, Instructor

The Beachwood Bistro is a 100-seat student-run public restaurant operated by the Excel TECC Culinary Arts program housed inside Beachwood high school. Our students converge from ten school districts to participate in this two-year program. Please come out and see what a great job our students can do preparing and serving you lunch!

OPEN TO THE PUBLIC Beachwood Bistro

@ Beachwood High School
25100 Fairmount Blvd.



For Carry-Out Orders
(place before 10:30am)
and Reservations call:
216-831-2080 x131

Open Wednesday-Thursday-Friday
11:00am-12:30pm
Opening Day: October 19

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

