

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. XIV No. 1 Fall 2013

### by Nathan Bishko

Welcome back students! I hope that you are excited for the 2013-2014 school vear. While I wish success to our class of 2013 graduates, I am very enthusiastic about our incoming class of 2015. The Excel TECC team has worked hard to increase enrollment and I am proud to say that we have welcomed over 450 new students to Excel TECC programs. The opportunities for these 450 students are limitless. College credits, internships, industry credentials, and real life experiences are just a few ways that students may benefit from **Excel TECC** and career technical education. I encourage our students and parents to monitor the **Excel TECC** website for updates on events, schedule changes, school closings and other items unique to **Excel TECC.** If you have any questions or want to tour any of our programs, please do not hesitate to contact me at anytime for arrangements. Good luck to our students this year!

# **ENVIRONMENTAL EDUCATION Growing Through the Year**

Cleveland Botanical Garden: Kim Haydu The early bird gets the worm... or the CBG students get career training early!

Cleveland Botanical Garden Class is off to a super start. CBG program is a success because of the high quality landscaped learning locations and many knowledgeable CBG staff members that work with our students. Students are learning the plant material and the horticulture curriculum both at the main site and the urban vegetable garden called the Yellow House at Midtown Learning Farm. Next we will be starting our fall labs in the Perkins Wildlife



Garden at the Cleveland Museum of Natural History. These handson activities make learning relevant to the students' future career choices.

CBG students in a giant nest on the Cleveland Botanical grounds

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#### **Welcome New Excel TECC Staff**

Welcome to Melissa Maxwell, new Visual Art & Design teacher this year. She is starting her fifth year of teaching, but has fif-

teen years in the field of Visual Art. Before teaching, she worked as a graphic designer for an advertising agency, trade show display company, and most recently as a packaging designer for a major craft supplier in the Cleveland area. During her free time, she likes to listen to live music (preferably an Irish band), go for a bike ride, walk her Chihuahua, Maya, and draw.



#### **ENVIRONMENTAL EDUCATION...**(continued from pg 1)

#### Floriculture and Gardening Operations: Kym Judson

Students have had the opportunity to work with staff at Beechmont Country Club; discuss vegetable gardening and make salsa with the Master Gardeners of Cuyahoga County; and discover Case Western Reserve's research farm, where they had the chance to tour the facility and discuss the farm's production with the CWR staff.

Fall is a busy time at the Center! Students have been working to create displays, cutting corn stalks and preparing the grounds for the Mayfield Schools Family Fall Festival held October 12 from noon – 4:00 p.m. The students are electing chapter FFA officers and learning parliamentary procedure, propagating plants for sale and completing fall cleanup projects.

Poinsettia cuttings and holiday plants are just being potted so they will be big and beautiful by the Holiday Open House which will be held Friday December 6 from 8 a.m. till 6 p.m. Please mark your calendars and come out to see what the students have created and grown for your holiday decorating needs!

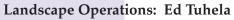
**A.C.E. Program (Agriculture and Career Exploration): Becky Gardner** The students have been utilizing their outdoor skills creating Tee Pees for their Native American display and a giant bird's nest to be viewed during the hayride at the Family Fall Festival. The A.C.E. students will also be hosting the complimentary 'Roast your own Marshmallow' activity for all of our visi-

tors.

Two whisky barrels were planted by the students for the entrance way of the Wildcat Sport and Fitness Center at Mayfield High School. The students will maintain the planters and redesign with the changing of the seasons.

Throughout the school year, students participate in various life skills presentations lead by Mr. Joe Hayes, Excel TECC counselor. Students presented 'You in a Bag'. Participants where to fill a bag with 10 items they feel represent them best and explain each item to the class. The purpose of this activity is to get-to-know each other and realize that we have more in common

than originally thought. What a great experience! The students owned this assignment and really put a lot of time into their presentations.



The Landscape Operations students are learning how to build several hardscape features. They started to build a waterfall and pond by our front sign. The waterfall will be about 5 feet tall and the pond will be able to hold various aquatic plants as well as several different species of fish. The pond should be self sustaining once the water chemistry is set. The other project is a dry-laid stone wall. Both these features are popular in today's landscapes designs.

The students are also planning on going to the FFA District 3 Landscape competition at Mill Creek Gardens in Youngstown. There the students will compete and also have the opportunity to view the gorgeous gardens the metro park has to offer. It is truly a hidden gem.



[BELOW] Students in front of one of their Tee Pees on the GMEEC grounds



# **CADD Students Participate in Several Hands-On Experiences**

by Craig Schmidt, Instructor

CADD Juniors ended the 2012-13 school year participating the fifth-annual Mouse Trap-Powered Car Design and Construction Competition. Students researched, sketched, created CADD models and drawings, and constructed cars from those drawings. After test runs and adjustments, it was time for the final runs on the last day of class. Joey Centrackio's car traveled a distance of 116 feet 6 inches to win the competition. Alfred Beckstrom, Ben Hosler and Brad Stephens all tied for the best straight line run. Students were able to experience the engineering design process and build cars from their designs in this popular hands-on project.

The 2013-14 school year is off to a great start. All Juniors returned for the Senior year, and we have a full incoming Junior class!

For the third straight year, Computer-Aided Drafting and Design Seniors will once again collaborate with the Excel TECC Construction Trades and Environmental Education programs as a part of the 2013-14 Modular Homes Project. CADD Seniors are currently preparing preliminary designs for two homes to be constructed by the Construction Trades program. Student teams are designing single- and two-story homes to be constructed in the Construction Trades Lab. When the preliminary drawings are finalized, and the successful designs are selected, CADD Seniors will produce complete sets of construction drawings for each home. Once the homes are under construction, CADD Seniors will monitor the progress and resolve any issues our "clients" - the Construction Trades program - have. This partnership between the CADD, Construction Trades and Environmental Education programs gives our students a real-life authentic experience that could not be experienced in a single program.

Our incoming Juniors participated in a team exercise on the second day of class named "The Newspaper Challenge." Teams of three students got a taste of the engineering design process, as they designed, prototyped and constructed newspaper towers that would need to withstand "wind" from the classroom fan. Fan speeds ranged from "normal" to "hurricane force" winds. Three of the six teams constructed towers that withstood the hurricane force winds. This was the first of several short design challenges students will participate in throughout the two-year CADD program, building their collaborative and problem-solving skills through the use of hands-on activities.

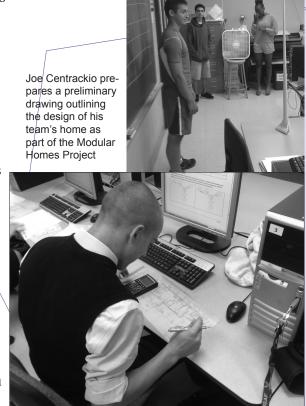
You can find the Excel TECC CADD Engineering Technology program on the web at http://exceltecccadd.weebly.com. You will also find links to our Facebook page, YouTube channel and our Twitter feed in the upper right corner of each page on our site.



Samantha Bishop and Lauren Kozich construct their mouse trap-powered cars.

Roberto Vallettà, Preston Williams and Alex Wilson test the strength of their newspaper tower using the class fan. Their tower was among the three towers that withstood the

full force of the fan at full speed.



#### **BUSINESS ACADEMY 2013-2014**

by Donna Fronck, Instructor

The Business Academy has expanded to welcome 20 juniors to the program for this school year. Students represent the following districts: Beachwood, West Geauga, Mayfield, Richmond Heights, Brush and Orange. The first week of school students were engaged in teambuilding activities and an introduction to a professional environment in our new lab located in Room 295 at Mayfield High School.

Since then, they have elected class officers who will be responsible for holding class meetings and providing leadership. The officers for 2013-2014 are: President, Matt Ely; Vice President, Molly Holzhauer; Secretary, Andrea Kuchta; Treasurer, Candice Bambrick. This year students will be learning basic Accounting, Economics, Marketing, Management, Finance and Entrepreneurship. The class will focus on Interpersonal Skills, Leadership and Professionalism. Students will also be required to use verbal and written communication skills and to collaborate in a team environment. In October the juniors and seniors will participate in a behind the scenes real-world simulation at the Rock and Roll Hall of Fame called "Takin' Care of Business". They will go beyond the artistry and glitter of superstardom and learn about the complex business network as a rock band's tour manager. Students will be able to identify and describe the major components of the modern music industry, and the ways in which they are connected; describe the benefits of fiscal responsibility and recognize the accountability of financial planning in real-life applications; and apply mathematical modeling to business and consumer situations. They are looking forward to this fun filled experience which will include a tour of the Rock Hall and Lunch.

All eight seniors returned to the Business Academy this year. They are immersing themselves in projects and employment strategies and beginning to think about internship opportunities in the community. This year's course of study will include advanced practices in Entrepreneurship and Employment and will help them to further develop leadership and

interpersonal skills and professionalism. Students will have the opportunity to "major" in a specific discipline and pursue their interest in various areas of Business. Class officers this year are Brandi Colemen, President; Is'ra Saadat, Vice-President; Tamia Puckett, Secretary and Veronica Westerfield, Treasurer.

# CONSTRUCTION TRADES Begins Building

by Rick Zivny, Instructor

The Construction Trades students are ready to hammer down this year with 27 new juniors and 20 returning seniors. The junior class is starting off with the demolition of the homes that were built last year. They are learning how to operate power equipment safely and practicing mixing mortar and laying block while waiting for the CADD students to design the blueprints for the two homes being built this year. The senior class is helping with the demolition while learning several home repairs - currently learning drywall repairs. The senior class will be going out into the community to repair homes for home owners in the Mayfield Heights, Mayfield Village, Highland Heights, Gates Mills, Chesterland and South Euclid areas. If you would like to schedule an appointment for a free estimate please call 440-995-6744.

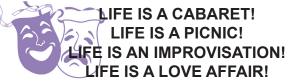


[ABOVE] Business Academy junior class officers: Candice, Matt, Molly and Andrea

[LEFT] Business Academy class of 2015

### **Performing Arts Academy Line-Up**

by Tom Fulton, Instructor



Mark your calendars! Apart from being the largest class ever at the Acdemy (77 students), The Academy for the Performing Arts has a great sixth season in store for you.

To start things off with a bang, the classic musical *CABARET* will open November 8 and play through November 10! Join us for a powerful, moving evening of musical theatre with some of our brilliant young actors: Dan Hoy as the EmCee, Emily Wirthwein as Sally Bowles, Jon Loya as Clifford Bradshaw, Margo Tillstrom as Fraulein Schneider and Brendan Hall as Herr Schultz! CABARET is directed by Academy Director, Tom Fulton. CABARET will perform on the Academy's main stage at Chagrin Falls High School.

Then, December 13-14-15, William Inge's award winning drama of love and lost dreams, **PICNIC** (directed by Mitchell Fields), will open in the Studio Theatre, followed by the consistently hilarious annual **ACADEMY SENIOR IMPROV SHOW** on January 10 and 11, 2014 - also directed by the indefatigable Mr. Fields. In the STUDIO Theatre

In February 20, 21, 22, 23 Bernadette Clemens will deliver a love filled tale of star-crossed lovers with William Shakespeare's **ROMEO AND JULIET**,

with Gordan Hinchen as Romeo and Emily Krosin as Juliet. In the STUDIO Theatre.

For dates, times and prices please visit our website: www. chagrinacademy.org or call 440-715-4004.

# **Medical Technologies Testaments**

The following excerpts are taken from students' writings in Mrs. Davidson's Ursuline Medical Technologies program.

by Zoe Moore, Student

Many students my age are beginning to apply for colleges and many, most likely, want to become a doctor....Many of my classmates walked into Medical Technologies junior year certain that they wanted to pursue the careers of surgeon, nurses or physical therapy, but they didn't really understand the medical field... After participating in Med Tecc my junior year, I feel that having the opportunity to experience what it feels like to work in a hospital setting is essestial to becoming a healthcare worker.

Throughout my junior year, we learned multiple STNA lab skills such as, bed making, wet to dry dressing changes, vital signs, etc. One that really stuck out to me was the physical assessments. I thought 'I could really do this every day.' After hearing the first heartbeat of my lab partner through my stethoscope, I knew I was in the right place.

Educationally, I feel like the program has put me at a great advantage because many of the classes that I took my junior year and will continue this year will prepare me for my classes in college. Being at Ursuline college also helped me to get a feel for the college life and helped me to realize how much responsibility you'll have once you're on your own.

by Abigail Clayton, Student

All knowledge is important, in some manner, and everything I've learned in my first year of Medical Technologies has been vital. Everything from our first lab unit on washing your hands properly—especially washing your hands properly—to the last lectures on first aid application has been valuable to me. The class was more than just memorized information: we were taught to approach all care holistically, to advocate for our patients, to critically think, and to perform an intervention;...Everything I learned gave me strength, and moreover, confidence;...My first year of Medical Technologies gave me more than power: it also gave me purpose.

One of the larger facets of the Medical Technologies program, and all the Excel TECC programs, is discovering a passion or aptitude for the chosen field; or lack of it....I have been exposed to the field of health care and have found that I love it, that I would like

to invest my life in its pursuit. Oftentimes, this surety is something students lack, and I consider myself very fortunate to have it, and am incredibly grateful that I was given the chance to reach these conclusions and to find my niche.

The paramount idea that I was taught my previous year is that medicine... is constantly growing and changing....That more than anything, health care is a continuous learning process, one that I will be involved in for as long as my medical career lasts.



Medical Technologies Ursuline Class of 2014

#### **PUBLIC SAFETY ACADEMY - Current News**



Congratulations to 2013 PSA graduates [LR] Eric Gilbert-Brush HS, Justin Sala-WestG and Chad Heppert-WestG who this past July graduated from the Tri-C fire academy and are now certified state of Ohio Firefighters



Public Safety class of 2015

Public Safety Academy is participating in the fire Explorers. From the PSA program there are two members that graduated in 2012, one member that will graduate in 2014 and we added 6 new members from this years Junior class. The program is doing so well that Mayfield Heights has gotten on board and now there are three local fire departments: South Euclid, Lyndhurst, and now Mayfield Heights. The name will be changed to the Hillcrest Area Explorers



RIGHT:
[TOP 2 photos]
Highland Hills
Fire Department
visits Tri-C and
demonstrate
their tools and
equipment for the
Public Safety class

[BOTTOM 2 photos] Highland Police vehicles visit the Public Safety class

LEFT:
PSA students
at the
Memorial
Flag lowering
ceremony on
September
11 at Tri-C
east





HIGHLAND HILLS



# **Beachwood Marketing "Takes-Over" and "Drives" for Success**

by Mrs. Getz' Marketing Students

Who would have thought that as a high school senior you could work hands-on with the top radio company in the world? This year, Excel TECC's Beachwood Marking class was approached with a unique opportunity to orchestrate and develop a new product. The students are working first hand with a successful entrepreneur, Daniel Anstandig, to help him create an app that will become a new trend in social media.

Mrs. Jean Getz' Marketing Program is made up of high achieving students that are striving for success. The students are from Chagrin Falls, Beachwood, and West Geauga High Schools. The class will be working directly with Daniel Anstandig, the CEO of Listener Driven Radio (LDR) and founder of Kiss FM's interactive music-Takeover. Daniel Anstandig was a Beachwood High School graduate and former marketing student of Mrs. Getz and a DECA state champion. Mr. Anstandig had his own radio station at the age of nine and an international business by fourteen.

This year, the marketing class will have an opportunity to help develop an app from scratch. This is something the class has never been exposed to. They will analyze ways to make this product into a unique and successful application with a social

media platform. The class will be conducting focus groups all over Ohio with the teen market to discover what that specific age group is looking for in an app. The students will work with Mr. Anstandig from developing the wireframe of the app all the way to the final product.

When Ms. Dee Sturgill, Education Consultant from the ODE-Career-Technical Department found out about the project, she was extremely impressed. Ms. Sturgill stated that she would like all of the marketing programs in Ohio to participate in focus groups because it encompasses hands-on authentic learning that will emphasize immersive learning. She stated that this type of creative self-directed problem solving and higher learning would prepare students for the challenging roles in both business and in college.

Along with working with a renowned company in the music industry, the marketing class will also compete in DECA competitions. DECA is an international organization for marketing students. It prepares emerging leaders and entrepreneurs in marketing, finance, hospitality and management in high schools and colleges around the globe and has more than 190,000 high school members participating in DECA through 3,500 chapters in all 50 states and 8 countries. The students will have the opportunity to compete in the fields of business and marketing at the DECA district, state and international level against other DECA students. This will not

only be a fun opportunity, but it will also ready the students for their future in the real business world. The marketing class will be able to travel to the Nia Center/Kalahari for a "mock" contest with the hope of expanding their knowledge to attend the DECA International Contest in Atlanta, Georgia in May.

Furthermore the marketing class will be attending a DECA conference at Progressive Field to learn about the sports and entertainment industry. Later this year, the students will be attending a DECA Day with the Cleveland Cavaliers.

Every other month, the marketing class has a fundraiser to assist with the DECA Contest. This month the students will be selling Chik-fil-A sandwiches. In November, the students will begin to sell Cheesecakes for the holidays.



Mrs. Getz' Marketing Class of 2015



### **Medical Technologies**

by Karen Hale, Instructor

The summer of 2013 was full speed ahead for the Medical Technologies students. Our June graduating 2013 Seniors were busy preparing to go to university - University of Cincinnati, University of Akron, Kent State University, OSU, Penn State, Slippery Rock, and Xavier University just to mention a few.

Three students were accepted into the Cleveland Clinic Summer Internship Program. Sponsored by the Office of Civic Education the program is a nine-week *paid* internship providing top students throughout Northeast Ohio with the opportunity to work and learn alongside nationally renowned healthcare professionals in a variety of health care fields **Jasmine** Hohenfeld, Oroshay Kaiwan, and Mynor Mendez were selected out of an applicant pool of over 500 students. As a requirement of the program all three students conducted research with clinical faculty. Mynor Mendez who worked on a cardiac unit, participated in research with Scott Flamm MD and Deborah Kwon MD. Their published study was "Echocardiographic and Cardiac MRI parameters' of Patients with Systolic Heart Failure." Mynor says of his experience with the Clinic, "This experience definitely strengthened my desire to become a physician and has caused me to work harder at achieving my goals and not giving up until I achieve what I want."

Jasmine Hohenfeld who interned in the Nursing Department assisted Barbara Elliot RN, CCRN with a research study in Quality Assurance, "Improving Quality and Patient Safety through accurate Hand-Off Shift-to-Shift communication." Jasmine says, "This experience has broadened my vision of the health care field. Being able to see how the nurses directly affect their patients has touched me in the sense that eventually I will be able to do that someday."

Senior Medical Technologies student **Oroshay Kaiwan**'s published research project "The Effect of Hyperglycemia on the Incidence of Retinopathy of Prematurity", demonstrated that advanced ROP (Retinopathy of Prematurity) infants have a higher glucose intolerance and tend to be more premature to gestation and weight than prematurity due to other causes. This will someday affect prenatal treatment. Oroshay states "This internship was a glimpse of my future job. By observing patients and their pain from a closer perspective, I was able to strengthen my passion for medicine."

Nick Kamis and Olivia Ankrum took their summer studies outside of Ohio. Both students were invited to attend the National Youth Leadership Forum on Medicine. Nick traveled to Washington D.C. and Olivia to Atlanta, Georgia. The Forum on Medicine's mission is to link academically talented and motivated students with medical specialists and newer clinical technologies in advanced hospital and research facilities. These high school scholars were able to experience the realities of a medical career through educational clinical

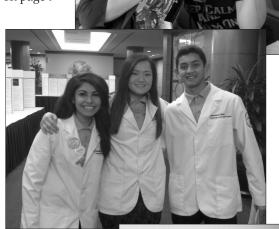
research and technology.

At home, Lisa and Dana Blackwell, Ashley Peltz, Yuliya Babichuk, Nick Kamis, Sophia Amati, Michaela McLaughlin, and Cory Banko assisted Cleveland Clinic Hillcrest and several Paramedic Units in the Hillcrest Regional Casualty Drill on August 16th. Our students portrayed disaster victims to assist in the preparation, planning and testing of Hospital and First Responders in the event of a real disaster incident. Students participating in the event Lisa and Dana Blackwell state "This experience has showed us how emergency systems work to handle a mass disaster like this."

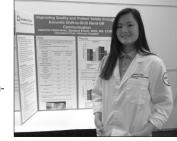
James Hrestak started his senior internship this summer with the Mayfield Heights Fire Department. Jimmy rides squad with the EMT's and says "Assisting seven paramedics working on a patient during a full arrest was one of the most interesting learning experiences. Everyone had a job - intubation, chest compressions,

IV meds, this is real life teamwork."

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[TOP] Yuliya and Ashley as victims during the Regional Disaster Drill [CENTER] Jasmine, Oroshay and Mynor, Cleveland Clinic Summer Interns [BOTTOM] Oroshay at CCSI



### ExceLETTER • Fall 2013

Medical Technologies...(continued from pg 8)

Medical Technologies II Elected Officers for 2013-2014:

#### Period 6:

President: Ashley Peltz

Co Vice-Presidents: Jasmine Hohenfeld/Yuliya Babichuk

Secretary: Lisa Blackwell Treasurer: Taylor Pasquale Historian: Dana Blackwell

SkillsUSA Rep: Oroshay Kaiwan



#### Period 7:

Co Presidents:

James Hrestak/Mynor Mendez Vice-President: Sophia Amati

Secretary Treasurer: Michaela McLaughlin

Historian: Marissa Taylor



Medical Technologies I Elected Officers for 2013-2014:

### Period 1:

President:

Mohammed Meran

Vice-President: Torai Slaughter

Secretary/Treasurer:

Sara Francioso

Historian: Kelsey Robinson SkillsUSA Rep: Brian Hunter



#### Period 3:

President: Alexandria Grasso Vice-President: Lauren

Richuisa

Secretary/Treasurer: Sabrina

Boyd

Historian: Danielle Kralik SkillsUSA Rep: Karen David



# **Mayfield Cosmetology** by Maryanne Hummell and

Debby Kall, Instructors



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. Hours of operation are Wednesday, Thursday, and Friday 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.

The current seniors volunteered their time at the Gates Mills summer camp to provide the young campers with a spa day. What a great experience for the Cosmetology students. It was a great opportunity for our students to interact with these young campers.

Our senior students will be starting their Internship in a salon in October and continue through February. 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 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 great for both our students and the salon owners.

The students of Mayfield Cosmetology will have a booth setup at the Family Fall Fest at the Environmental Education Center this October. They plan to polish nails and do crafts with the children.



# INSIDE...

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# NEWLY REMODELD BISTRO OPENING SOON!

by Danette McHale, Instructor

The Excel TECC Culinary Arts program housed at Beachwood high school has been part of a \$36.5 million upgrade. Changes include a new dining room, classroom and a re-designed kitchen.

Customers can anticipate new menu items including the popular White Chocolate Raspberry Torte made from scratch in the bakeshop.

Presently, the junior students are receiving training in food safety and sanitation, restaurant equipment usage and menu production.

Visit our website or call the Bistro at 216-831-2080 x131 for updates and opening announcement.

# Check out our public services & events:

- •Environmental Education page 1&2
- •Construction Trades page 4
- •Performing Arts page 5
- Cosmetology page 9

# OPEN TO THE PUBLIC Beachwood Bistro

@ Beachwood High School 1, 25100 Fairmount Blvd.

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

#### DATES TO MIND:

ENVIRONMENTAL EDUCATION
HOLIDAY OPEN HOUSE
Friday DECEMBER 6-2013
8:00am-6:00pm

SPRING OPEN HOUSE Friday MAY 9-2014 8:00AM-6:00PM

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

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