

Saints' Happenings Principal's Newsletter April/May 2019



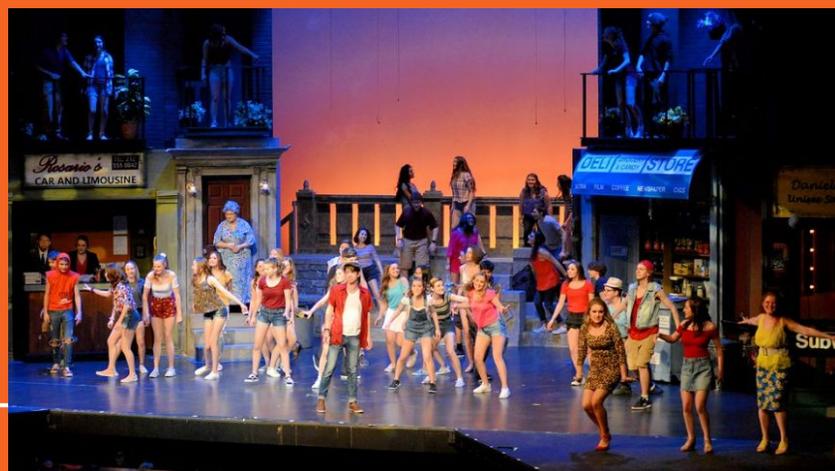
Hope Hustle



Boys Track Meet



In the Heights



Office of the Principal



Ultimate Frisbee



Girls Lacrosse



Boys Tennis



Emma Santos recognized at BOE Meeting



COOP/OJT & Internship Banquet

Office of the Principal



April (above) and May (below) Breakfast of Champions



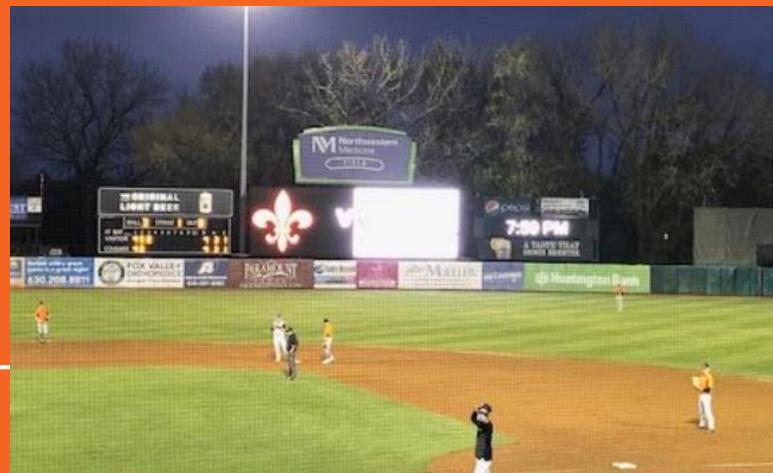
X-Ray at State!



Baseball at the Cougars Stadium



ACS
Scholarship
Contestants



Office of the Principal



College Signings



Prom



Spring Recognition Assembly

Office of the Principal



It is hard to believe we are nearing the end of the school year! In just a few days, we will celebrate our seniors graduating at NIU's Convocation Center. Congratulations to all our graduates and we wish you well as you begin the next phase of your lives. Information about graduation can be found [here](#). [Final exams](#) will be starting next week.

A big thank you is in order for our [STCE PTO](#), who did an amazing job transforming our school and providing an exciting experience for our students after prom. We are grateful for all the volunteers and donors who had a hand in putting together this event!

Our students completed this year's theatrical performances with an amazing production of *In the Heights*. It stretched our students to reach a new level of performing and theatrically, musically, and in terms of production. All three of this year's performances have been stellar and I am so proud of all our contributors on and off the stage.

Our school newspaper, *X-Ray*, was honored by the American Scholastic Press Association, earning First Place with Special Merit in the schools with 2501+ students category. Outstanding Story awards were given to Sara Donis, Carmela Furio, Brendan Kempff, and Jaden Veneziano. Furthermore, we had several students qualify for the Journalism State Finals. The state qualifiers were junior Catrina Crones (News Writing), senior Sara Donis (Headline Writing), senior Carmella Furio (Newspaper Design), senior Christopher Heuser (Sports Writing), freshman Katie Kempff (Copy Editing) and sophomore Dominic Dipalermo (Photo Story).

On Saturday May 18, for the first time in almost 10 years, the science department sent two competitors to Benedictine University in Lisle to compete in the [Regional American Chemical Society Scholarship Exam](#). Candidates must be first year chemistry or ICB students. Candidates competed for the right to qualify for one of 5 scholarships based on their performance on a written exam. The nominees spent an incredible amount of time working, on their own accord, outside of class time to better their chances. This year St Charles East had four nominees: Luke Hull, Alissa Chimienti, Andrea Shimp and Katie Kempff. Luke and Alissa had the honor of competing on the actual exam. While official results will not be posted until mid-summer, all participants said it was a great experience and represented East well at the event.

Athletically, we had an amazing spring. Bennett Melone, Luke Schildmeyer, Mitch Gansemer, and Charles Murphy placed 2nd in the 4x8 at the state track meet, setting a new school record of 7:46. Additionally, we had several other members of the Boys and our Girls Track Teams qualify for state. In Tennis, Colin Johnson and Zach Moss qualified for state, as did Krupa Patel and Kathryn Chappel in Badminton. The Girls Lacrosse team won their sectional championship and qualified for state. Our Girls Softball, Girls Soccer, and Boys Volleyball teams won their regional championships, and Girls Soccer also won the DuKane Conference Championship. Congratulations to all our spring sports teams and athletes!

On Tuesday, May 21, D303 hosted the first INCubator Final Pitch Night. Three teams from East competed for funding, with Petvision (Jack Craney, Caleb Wright, Dylan Both, Jacob Daeschler) winning the competition - and funding - and the chance to compete at the National Pitch Competition!



Over the summer, we are excited to begin a renovation of our gym. This will include a new floor, bleachers, scoreboard, and fresh paint. I can't wait to host our first athletic competitions and pep assembly in the new gym!

The [STCE Athletic Boosters](#) are still offering opportunities to preserve a legacy at STCE by [purchasing a custom brick paver](#) with honoring an athlete, family, or team. Additionally, on Saturday, August 24, we will showcase our fall sports/teams/groups at the Saints Family Fun Fest. Mark your calendars - more information to come!

Stay connected to all things STCE by subscribing to the [O&B Bulletin](#), following us on Twitter at our handle [@StCharlesEast](#) and on [Facebook](#), and reviewing our [daily announcements](#). All this information and much more can be found through our [East website](#). Information about registration for next school year will be sent home soon!

Thank you for your continued partnership and support. I hope you have a great summer, and I look forward a great start to the 2019-2020 school year!

Jim Richter
Principal
(331) 228-5704
James.Richter@d303.org

Instructional Programs



Viewing Grades on HAC

With 4th Quarter starting, it is important to follow these steps in order to see your student's cumulative (3rd and 4th Quarter combined) grade on HAC. The screen shot below will help guide you to the location of the buttons to click:

- Make sure VIEW CLASSWORK FOR REPORT CARD RUN is set to 4
- Click on CLASSES
- Click on FULL VIEW
- Click on SHOW ALL AVERAGES

A pop-up will appear that will display the grade for all work entered this semester. As always, contact your child's teacher if you have any questions.

The screenshot shows the HAC interface. At the top, there is a navigation bar with icons for Home, Attendance, Classes, Grades, and Registration. A black arrow points to the 'Classes' icon. Below the navigation bar, there is a 'Classwork' section with a 'Full View' button. A dropdown menu is open, showing 'View Classwork For the Report Card Run' set to '4'. Below this, there is a table with the following data:

Category	Student's Points	Maximum Points	Percent	Category Weight	Category Points
Assessment	22.00	25.00	88.00%	10.00	22.0000
Total Points				10.00	22.0000

Below the table, it says 'Student's overall average is' followed by a 'Show All Averages' button. A black arrow points to this button.

[Final Exam Schedule](#)

Please click on the linked title to access our Second Semester Final Exam Schedule

Attendance



Reporting Student Absences at East

Accurate student attendance is important at St. Charles East! Research shows that there is a direct relationship between regular attendance, punctuality, and school success. Regular school attendance includes arriving to school on time and attending all classes throughout the day. There is no substitute for actual classroom instruction. We notice when your child is not in attendance.

If your child is going to be absent or late, his/her parent or guardian must call the Attendance Office as soon as possible. The Attendance Office number is 331-228-4100. Voice mail is available 24/7. Please leave a detailed message with the date of absence, the child's name, their Id number, and the reason for absence.

We care about attendance. We track attendance. We would like to help resolve any problems that may cause your child to miss school. If your child misses four or more days in the first eight weeks of the school year, a letter will be sent home. The State of Illinois considers the threshold of excessive absence reached when a child misses more than 5% of the total school year (9 school days total – all year).

Thank you in advance for partnering with us to make 2018-19 the best attended school year in East's history!

Attendance fact:

Attendance improves when a school community offers a warm and welcoming environment that emphasizes building relationships with families and stresses the importance of going to class every day. The key is developing a school-wide school culture that promotes a sense of safety, respect and personal responsibility, where students feel connected and know that someone notices, in a caring manner, when they missed school.

- Does your son or daughter feel connected at East High?
- Let us know – we care!



Social Studies



We are the World...

As part of our new curricular emphases on Inquiry and providing students the opportunity to Take Informed Action, freshman students in the six honors sections of Contemporary World Issues participated in an all-day Model United Nations on Wednesday, May 22nd in the Norris Cultural Arts Center.

Students worked in teams to represent the National Interests of 24 countries as they addressed four current pressing human rights issues: Global climate change, the recent measles outbreak, the persecution of the Rohingya population in Burma, and refugee crises stemming from unrest in Syria and Venezuela.

After negotiating and voting on resolutions, students have been able to reflect on the opportunities and barriers inherent in global problem-solving and more fully understand the tension involved as countries decide when to act as a global community and when to "go it alone."

Students bought into the simulation and spirits remained high throughout committee meetings, a pizza lunch, and rousing final presentations. Our teachers will continue to look for opportunities to provide simulations and to get our students out into the public arena.



Science - Physics



AP physics 2 student Chris Heuser uses a Ruben's tube to demonstrate for AP physics 1 students how longitudinal waves change the pressure of gas in the tube combined with the Bernoulli principle. Follow Chris and his Ruben's tube in Instagram at [rubens.tube](https://www.instagram.com/rubens.tube).

Video of the Ruben's Tube in action <https://bit.ly/2MhmUV0>

Science - Environmental Science



AP Environmental Science partnered with Wings and Talons based in Itasca to bring in 3 birds of prey for our students to learn about the threats facing birds of prey around the world. The number one threat to all endangered species is loss of habitat. Students learned that even planting small patches of native plants will provide birds of prey and all endangered species with the resources they need to potentially avoid extinction.

Science - Environmental Science



Kristi Richter-Duff is an animal ambassador for Winds and Talons. She is displaying a Red Tail Hawk, one of the most common hawks in Illinois.

Science - Environmental Science



Top left: a barn owl and kestrel falcon. Top right: Kestrel falcon - on of the most common falcons in North America. Bottom left and bottom right: Kristi Richter-Duff and partner show off a barn owl.

Science - Physics



Shapeshifting Robots

NASA Researcher from their innovative advanced concepts division joined our students via video conferencing to talk about her research into [shapeshifting](#) robots for exploration of space. Described how cobots can act independently or join together to explore the known and unknown terrains of other planets and moons, such as Jupiter and Europa. <https://go.nasa.gov/2M6WRQr>



Science - Chemistry



For the first time in almost 10 years the science department will be sending 2 competitors to Benedictine University in Lisle to compete in the Regional American Chemical Society Scholarship Exam. Luke Hull and Alissa Chimienti are first year chemistry/icb students that have shown outstanding performance and maturity this year. The nominees have been working, on their own accord, outside of class time to better their chances.

Luke and Alissa have gone beyond just excelling their first year here at East. They are all phenomenal and we look forward to them competing for the remainder of their high school careers



Science - Chemistry



St. Charles East High School- Women in Science and Technology Field Trip to Argonne National Labs- 4/11/19

6 students participated in the Women in Science and Technology Conference focused on High School women pursuing careers in science and technology. Here are write ups by two of the participants to be included in the Principal newsletter.

Anita Prybell (sophomore)

My trip to Argonne National Laboratory was, to say the least, incredible. But the thing that stood out to me most was the atmosphere at Argonne: the scientists I talked to were some of the most motivated and passionate people that I have ever met in my entire life. I had lunch with two material physicists, one of whom was a working mother (from France!). She told me how she's happy to have a daughter and that she gets to pick her up from daycare every evening because if she didn't, she would never remember to leave the lab! She also told me she once worked a thirty-eight hour work day because she was too invested in a project to leave! Not only are these scientists extremely passionate, but they are premier members of the educational community. Immediately upon entering the facility, we were welcomed by Dr. Amanda Petford Long, who earned her PhD from the University of Oxford. The other material physicist at my table earned his PhD from Cornell University! And honestly, these types of education are not going to waste. The scientists at Argonne are working on cures for cancer, pharmaceutical drug testing, environmental conservation, all to improve the quality of life for everyone. Being surrounded by such talented and impassioned people made Argonne one of the most memorable experiences of my high school career thus far!

Science - Chemistry

Mary Schiltz (junior)

When arriving at Argonne National Lab, I was super excited to see the technology and labs of Argonne, but it turned out that my favorite part of this entire field trip was talking with the various scientists I met, men and women, about their struggles along the way to getting their job. My favorite talk was by Lieutenant Colonel Shamekia Toliver, an engineer in the military. She had faced many struggles along the way, some of them having to do with the fact that she was the only person of color in her college class, and one of the only women. Not only did she push through the struggles of getting a career typically acquired by men, but she also battled breast cancer along the way and became a cancer survivor. She said that although it was a difficult journey, it was worth it, and all of the young women who came to the event can do it too. Shortly after the talks we went on a tour and got a good sense of what it would be to actually work in a lab. After the tour, we got to speak with scientists at our lunch table, where we talked about how much it has changed in school today vs when the scientists were young. For instance, both scientists at our table said they were one of very few girls in their honors math and science classes. Speaking with women scientists helped me to feel grateful that women are now encouraged to take these classes, and that for the most part, math and science classes that I have been in have been half and half in terms of men vs women.



Foreign Language



LATIN - East Students Take the National Latin Exam

On Monday, March 18, 13 East students took the National Latin Exam, and many achieved distinguished scores. For Latin I, Robert Zhu received summa cum laude (1st rank), Keira Denker received maxima cum laude (2nd rank), Anneka Prath received magna cum laude (3rd rank), and Memphis Patterson received cum laude (4th rank). For Latin II, Devin Flores and Edward Nawrocki received maxima cum laude (2nd rank). For Latin III Poetry, Erika Denker and Skyler Purvis received maxima cum laude (2nd rank). Congratulations to all participants for their hard work!



eastnle1: (left to right) Anneka Prath, Keira Denker, Memphis Patterson, Robert Zhu

eastnle2: (left to right) Skyler Purvis, Edward Nawrocki, Gabriel Delaney, Devin Flores, Erika Denker



Foreign Language

AP SPANISH LANGUAGE AND CULTURE

Joining forces to make a global impact. AP Spanish Lang students volunteered their time during lunch hours in April for one week, selling hand-woven bracelets for \$5 and purses for \$10 from people living in impoverished areas in Nicaragua and Guatemala. This was after learning about the extreme levels of poverty in many Spanish-speaking nations during the AP with WE pilot of the course and studying global challenges. Students then plan an action step to make a difference on both a global and local scale. The profits of the sales totaled to be \$600 and 100% went back to the cause, allowing these artisans to attend school and have healthcare. Visit <https://www.pulseraproject.org/> to see videos or to purchase products.



Thomas Ditsworth, Elena Melone, and Arianne Labrecque serve during lunch periods to sell pulseras and bolsas..



Callie Brady, AP Spanish student, excited to buy a pulsera to support the cause.



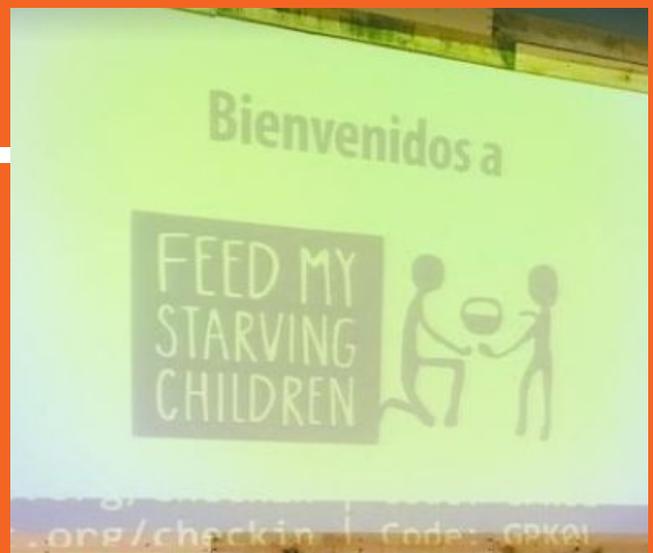
Lily Derain, Brooke Brodeur, and Ayu Seiya help count unsold bracelets at the end of the week to determine how many were sold.



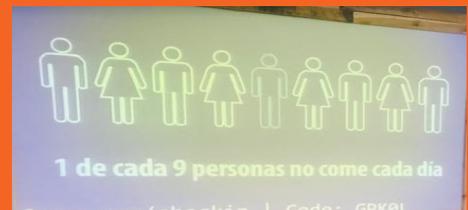
Foreign Language



Left to right: Jeff Pape, Thomas Ditsworth, and Will Leidig getting ready to serve at FMSC Spanish event



Left to right: Lily Derain, Brooke Brodeur, Aidan Szuch serve at FMSC



AP SPANISH LANGUAGE AND CULTURE

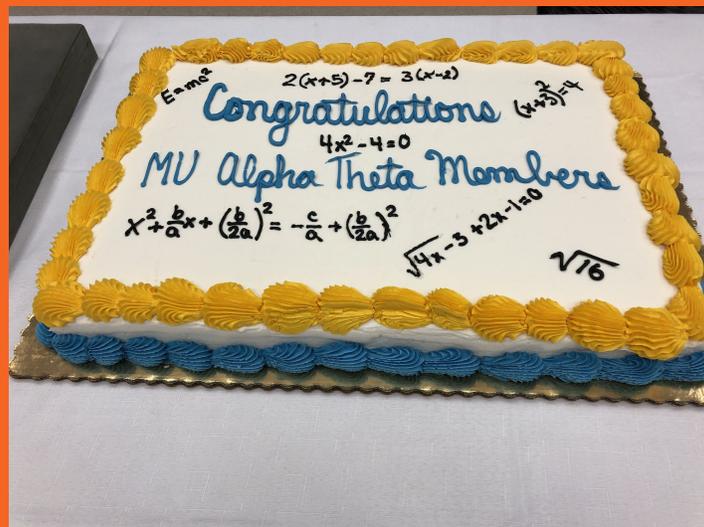
AP Students wanted to serve locally in order to make an impact globally by serving together at the 1st ever all-Spanish packing event at the Feed My Starving Children in Aurora on Monday evening of April 29th. All instructions and presentations were made in Spanish as was the music during the packing event itself. Students helped both in the warehouse as well as packing individual bags of food that have a special mix of vitamins, rice, soy, and dehydrated vegetables. Donations of 25 cents provide 1 meal to a child. It costs \$80 to sponsor a child to eat for a year. Visit <https://www.fmsc.org/> to donate or sign-up to serve. They are looking for volunteers each day!



Math Honor Society

The following students were formally inducted into Mu Alpha Theta on April 17th: Katie Arrambide, Kathryn Chappel, Lucy Charpentier, Teagan Ditsworth, Christina Hull, Sarah Hydar, Amanda Jacobucci, Nikhil Jain, Chris Jurczewski, William Keisler, Elli Keys, Amelia Kuhlman, Eduardo Mancera, Janina Mangulabnan, Edward Nawrocki, Josh Nelson, Henry Nunns, Rahi Savani, Luke Schildmeyer, Jeffrey Sharko, Megan Sreniawski, Allen Steinberg, Geoffrey Unterberg, Ethan White, Ryan Williams, Alyssa Yakey, and Molly Yetter.

Congratulations to our new Mu Alpha Theta members



Math Team

Three East students qualified to compete at the Illinois Council of Teachers of Mathematics state meet. The students qualified at the regional meet held at NIU in February. Congratulations Alissa Chimienti, Ayu Seiya and to Allen Steinberg! The students traveled to the University of Illinois on May 4th to compete. Allen and Ayu competed in Algebra 2. Allen finished in the top 20% of the state competitors. Alyssa competed in Algebra finished in the top 30%.



The **X-Ray** newspaper team celebrated six staff members who qualified for the IHSA State Finals for Journalism. The state qualifiers were junior Catrina Crones (News Writing), senior Sara Donis (Headline Writing), senior Carmella Furio (Newspaper Design), senior Christopher Heuser (Sports Writing), and freshman Katie Kempff (Copy Editing). The state competition was hosted by Illinois State University.

At the Northern Illinois Press Association spring conference and regional journalism competition in April, the staff was also recognized. The awards were as follows: senior Brendan Kempff--BLUE RIBBON, Individual In-depth News Story; junior John Michelotti--BLUE RIBBON--Features Story; Team In-Depth--BLUE RIBBON, Team In-depth News; senior Johanna Wheiden--BLUE RIBBON, Graphics; and seniors Sara Donis and Carmella Furio--HONORABLE MENTION, Editorial Writing. In the Overall Newspaper Division 2 Category, the team won a Silver Certificate.

In May, at the staff's senior dinner, five graduating seniors will be recognized with Quill and Scroll pins and certificates. Those seniors are Sara Donis (four years on staff), Carmella Furio (four years on staff), Brendan Kempff (four years on staff), Christopher Heuser (two years), Allison Arguezo (two years). Johanna Wheiden (one year), who joined this year, will also be recognized with this group of excellent and dedicated seniors that has been invaluable to the continued production and growth of the newspaper. Their leadership has encouraged many underclassmen to join the staff and be successful in developing their journalistic skills.

PHOTOS ON NEXT PAGE:

X-RAY STAFF RECOGNIZED AT THE NISPA AWARDS IN APRIL.
JUNIOR JOHN MICHELOTTI RECEIVES HIS BLUE RIBBON AWARD FOR
FEATURES WRITING AT NISPA.
THE SIX STATE QUALIFIERS AT THE IHSA STATE FINALS.

English





Leadership Studies is wrapping up its yearly tradition of standout Service Learning Projects. Collectively, we have had a Salvation Army Benefit Concert (w/ Trunk Full of Funk), a Tie-Alive tie-dye event for the American Heart Association, a Saints Save Lives Blood Drive for the American Red Cross, the creation of the St. Charles East Class of 2019 Senior Video, a 3-on-3 Basketball Tournament for the American Heart Association, a Wiffle Mania wiffle ball tournament to feed the homeless in Chicago, a Slime Bash slime creation event for the Girls 4 Science organization, the 3rd Annual Lift-a-Thon, a Trash Bash litter clean-up in Mt. Saint Mary's Park, a collection drive for Anderson Animal Shelter, a Tied-Together blanket benefit for child cancer patients, a Sole Hope jean fundraiser to create shoes for those in need in Africa, and a Career Closet donation event for those who need professional clothes but aren't able to afford them. These projects help our students learn about hands on leadership while making our school and community a stronger place.

World Mythology Honors students in Mr. Stewart's class have recently been engaging in digital seminars. Mr. Stewart along with our instructional technology specialist Ms. Mazur-Lessard, have worked to move the traditional classroom discussion into a global community. The students have created podcasts, blogs, screencasts, and even blended all three in order to interact with Dante's Inferno. By incorporating tech tools and asking students to engage the text with a broader audience in mind we have dug deeper and researched more thoroughly than a traditional Socratic seminar might ask of the students. Moreover, the students all leave with a foundational understanding of design aspects for blogs and internet communication, tech tools and speaking and listening skills for reaching an audience via podcasts, and the virtual limitless possibilities of utilizing screencasting to illustrate or walk an uninitiated audience through the intricacies of complex materials. This activity has helped engage the minds of students while also preparing them for the 21st century skills of communication.

Career & Technical Education

Business Education

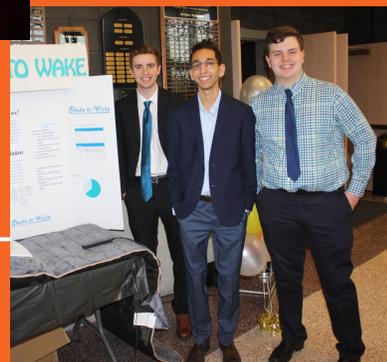
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FINAL PITCH NIGHT



On Tuesday May 21st, entrepreneurship teams from East and North participated in the first even INCubator Final Pitch Night in the North High School auditorium. After preparing all year and making it to finals, these teams were able to pitch their new business ideas to a team of “sharks” for an opportunity to earn seed money to launch their business ideas. Congratulation to East finalists Castaway Sand (Anthony DiGiulio, Nathan Hardy, Jake Molina), Temper Pouch (Sam Belmonte, Ethan Bessner, Matt Clancy, Sergey Kovalev), and Petvision (Jack Craney, Caleb Wright, Dylan Both, Jacob Daeschler).

Special congratulations to Petvision who won \$4000 in startup money to launch their pet product business. In the next phase of the course, ACCElerator, remaining team members Dylan Both and Jacob Daeschler will continue to work with seniors Jack Craney and Caleb Wright to move PetVision forward into a fully functioning business. Best of luck on your future success!



Career & Technical Education

Business Education



SkillsUSA Members Preparing For Nationals

Congratulations to SkillsUSA members for another great year. Good luck to our competitors heading to Nationals in Louisville this summer!

Entrepreneurship Team

Matt Stathopoulos
Caleb Wright
Vijay Krishnan
Brenna Paul
Adare O'Connor

Customer Service

Katrina Hammond



Career & Technical Education

Business Education

Employer Appreciation Banquet, 2019

This year both East and North Co-op and Internship students gathered to say “Thank You” to the many employers and sponsors throughout our community.

Students in **Cooperative Education** class earn credit and build skills while maintaining a job during the year. In addition, in the classroom they learn real world topics such as how to create a resume, interview, how to do their taxes and create a budget.

In **Internship**, students spend 75 hours working directly with a sponsor in a career field of interest to them. Students gain first-hand perspective of what is needed to be successful in that career as well as gain experiences not possible in the classroom.



Career & Technical Education

Business Education

Leadership Speaker Series

Leadership and Management students recently wrapped up their Leadership Speaker Series. Student teams were responsible for inviting speakers, inviting other classes, coordinating, and running the event. We would like to thank our speakers Jim Richter, Mike Fields, Lisa Dandre, Donnie Wahlberg, and Jennifer Kaschke. Their insights on leadership, management, entrepreneurship, and success were invaluable to students and teachers alike. If you know of anyone who would like to speak at the event next semester, please contact Keith Glavan, keith.glavan@d303.org.



Career & Technical Education

Family & Consumer Sciences



Cook Around the World:

Students enrolled in Culinary Practices and Entrepreneurship (CPE) and Hospitality, Tourism & Event Planning had the opportunity to travel to Disney World in Orlando, Florida and participate in Cook Around the World culinary competition that provided them with an authentic experience to showcase their mastery of skills. Students demonstrated excellent teamwork as they planned and prepared a Greek inspired menu of kabobs, couscous and decorated cupcakes.



Career & Technical Education

Family & Consumer Sciences



Culinary Practices in Entrepreneurship

The Getaway ended the year with an amazing BBQ for their last service day! Students were able to combat the weather and problem solve by moving the BBQ inside and still making record breaking sales. They are excited to bring new and innovative ideas to service next year!

Currently, CPE students are collaborating together to bring their restaurant concepts to fruition in this year's Restaurant Wars final project. The Getaway is being transformed in a Mexican Restaurant, Bar and Grill, and BBQ shack. The mastery of their culinary expertise will be judged and evaluated by staff in the school as they experience these new restaurants.

Career and Life Studies

Students are ending the year exploring the top ten employability skills for any career path and creating/evaluating ways that potential employees can demonstrate these skills in interviews, as well as ways they can grow in these areas. As students leave this class they are feeling confident in their abilities to live on their own and have a good idea of what path their future holds whether it be college, trade school, straight to career, etc.

Early Childhood Practicum

Congratulations to our Little Saints who graduated from preschool! We're so proud of you and have enjoyed planning & teaching lessons, observing your growth and learning from you each and every day.



Career & Technical Education

Family & Consumer Sciences



Interior Design and *Design Studio* students were able to take advantage of learning from leading industry professionals on multiple occasions throughout the semester. Most recently we explored the Merchandise Mart downtown Chicago and toured showrooms and put our skills into action by completing an elements and principles of design scavenger hunt. Students couldn't stop talking about all of the trendy and unique pieces the Merchandise Mart has to offer and were truly inspired by the vast variety of not only specific materials but also future career opportunities they were exposed to first hand.

Another memorable connection that was made between course content and the community was having Shannon Peppard, Owner and Principle Designer of Peppard Design as a guest speaker. Peppard design is a full service interior design firm with a unique sense of style and creativity. The team at Peppard Design is passionate about creating homes and spaces that fit each client's lifestyle effortlessly. Shannon shared her story about becoming an interior designer, starting her own business, and when you follow your passion great things follow. Student designers were eager to ask her questions and see examples of spaces that she has designed. Take a peek for yourself [here](#) or pick-up April's Edition of HGTV Magazine where you will find an article about a recent redesign Shannon did right here in St. Charles! We are so appreciative of Shannon taking the time and coming to speak with the next generation of designers!



Career & Technical Education

Family & Consumer Sciences



Baking and Pastry

Students enrolled in Baking and Pastry wrapped up the Cakes & Decorating Unit by participating in a Cupcake Wars Competition. Based on a specific theme, groups of students developed a cupcake recipe, frosting recipe, and a handcrafted display to enhance their concept. Examples of class themes from this year are Space, Seasons, Carnival, and Holidays. Students blew us away with their creativity, hard work, and advanced baking skills!



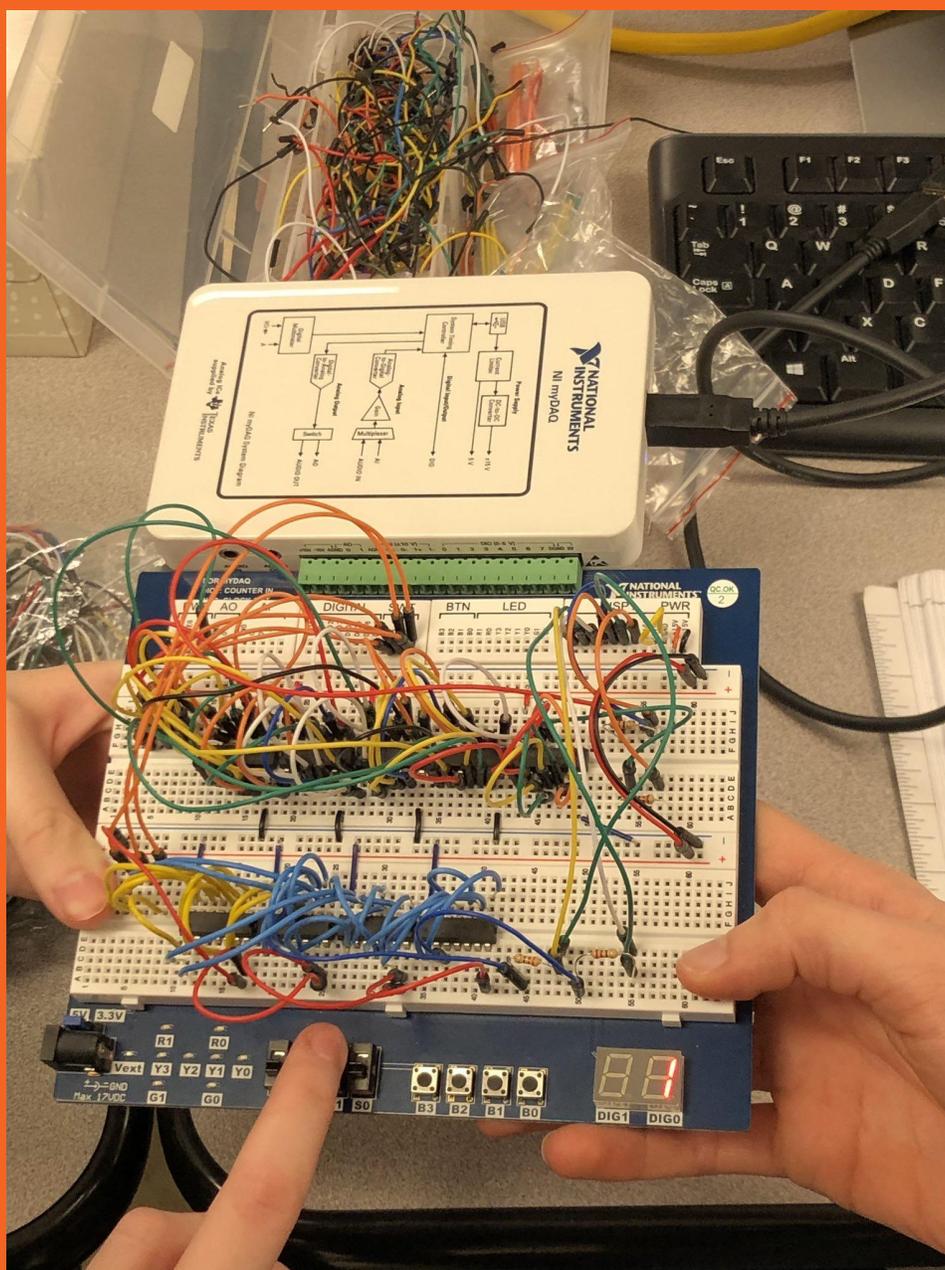
Career & Technical Education

Technology & Engineering



Digital Electronics

In Digital Electronics, students are starting to work with microcontrollers and real world systems when it comes to designing circuits. We just finished up learning how to design digital logic circuits, and export them into a FPGA (Field Programmable gate Array). Here is a picture below of how many wires there are without the FPGA!



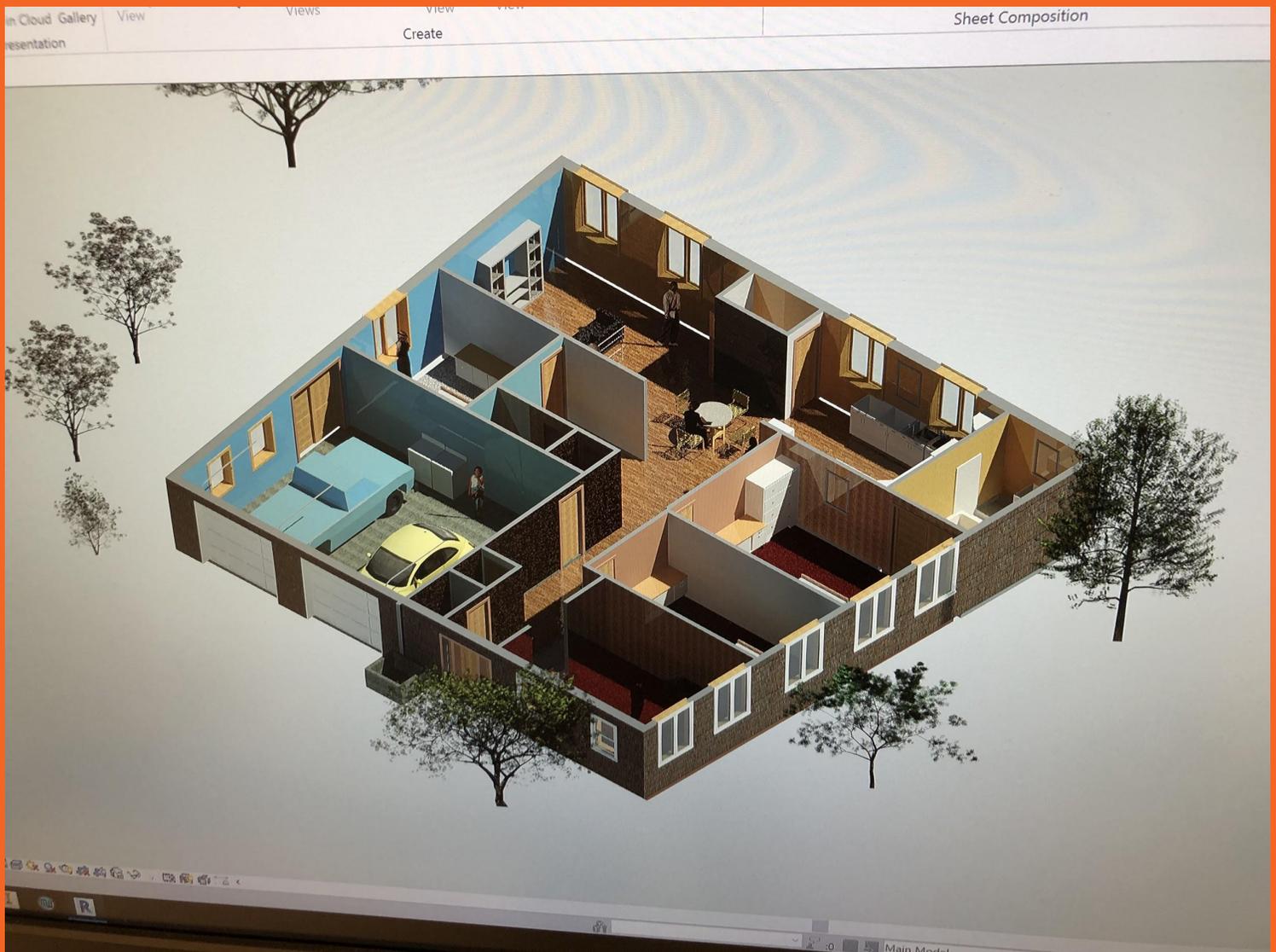
Career & Technical Education

Technology & Engineering



Engineering CAD

In Engineering CAD, we have been going through many design challenges and creating things in Inventor and 3d printing them into life. We have now started architecture, where students were required to design floor plans with specific constraints and then create them in Autodesk Revit. Here is an example of one student's house which was designed and created all from scratch!



Career & Technical Education

Auto and Auto Club



Automotive Technology and Power Equipment Technology

In all levels of Auto and Power Equipment Technology, students are hands-on nearly every day. From maintenance to diagnosis and repair, students are growing in their skills throughout the curriculum and over the years. By the end of Auto III, we hope they have earned some workplace credentials.

Auto II students finish up their engine rebuilds on a good note!



These Auto III students just completed ASE Entry Level testing, and they have some credentials to show for it!



Career & Technical Education

Auto and Auto Club



Power Equipment Technology

Everyone worked through a 4-stroke cycle engine rebuild during the first half of this class, and they finished it up with real-life service to engines of all types. Students have spent the last 7 weeks of this course diagnosing customer machines with the hopes of repairing them for many more hours of use.

At left, Jordan Gehringer uses a borescope to inspect the cylinder walls and piston on a 2-stroke leaf blower. AJ Kocsis cleans and checks specifications on his zero-turn lawnmower engine.



Career & Technical Education

Auto and Auto Club



Auto Club

Written by Johanna Wieden, 2019 Auto Club Student Board

Auto Club finished off the year strong with our annual Auto Show. Students went to downtown St. Charles to advertise for the show and work together to get donations for the show and Lazarus House. This year (despite rain!) our show featured 96 vehicle entries, and we were able to raise about \$2,174 in revenue (final numbers still calculating) which we are splitting 50/50 with \$1087 dollars to both Lazarus House and our club projects and exploration opportunities.

Apart from the show, students continued their work on the Mustang and our Engine Team placed 3rd at competition back in March. It was an awesome showing for team members Tyler Nowak (captain), Kat Hammond, David Alarcon, Cris Sanchez, Colin Zimmers, and Michael Fulkerson. Looking forward to next year already!

As the shop grows quiet in time for summer vacation, Auto Club would like to recognize the following seniors who made an impact in the club: Imaad Alam, David Alarcon, Jackson Dietrich, Daniel Gallagher, Tyler Hite, Eric Knudsen, Tyler Nowak, Alex Nicolas, Elizabeth Quintanar, Anthony Rosini, David Stoica, Joseph Utz, Johanna Wieden, Ramses Zamorano, Kat Hammond who is graduating early as a Junior, as well as Mr. Hussain who is moving on to teach auto at a new school next year.

Auto Club Student Board: Alex Nicolas, Jackson Dietrich, Johanna Wieden, and Kat Hammond



Career & Technical Education

Auto and Auto Club



Engine Team Cleveland Competition



15th annual Car, Truck and Motorcycle Show



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Students Eric Knudsen and Alex Nicolas were winners for their “builds.” Eric and his Baja Bug in the “Import” and “Best of Show” student categories and Alex with his Jeep Wrangler in the student “Domestic” category.



Student Max Heitz has this vintage 1964 Ford Fairlane Thunderbolt drag race car in the family, and he won the “Checkered Flag” award.



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Many student vehicles made the Auto Show:



Fine Arts Department



Fine Arts Department

