

Tiger Leaps

Progress Update from Tenaflly High School
November 30, 2017

English

The English Department welcomes Dr. Bernard Josefsberg to our staff. Dr. Josefsberg began his career in education as an English teacher and is not new to the district; he graduated from Tenaflly High School and held the secondary vice principal position at Tenaflly Middle and High Schools before continuing on to other administrative positions. We wish Dr. Josefsberg and his students an excellent year.

This fall, Tenaflly High School students achieved honors in writing. Senior Susan Wie was honored with a National Medal by The Scholastic Art & Writing Awards. Her *Echo* article "Viva la Social Media" will be featured in the upcoming publication of the anthology *The Best Teen Writing of 2017*. Senior Yuri Han was honored as one of the 85 commended winners of the Foyle Young Poets of the Year 2017. Yuri was selected from over 6000 applicants between the ages of 11 and 17 years old from around the globe. These students' recognitions are impressive achievements, and the English department is proud of them. Congratulations as well to their English teachers for inspiring our students to pursue their creative talents. When junior Emily Matteson and classmates in Ms. Lauren Malanka's AP Language and Composition class heard that Harper Lee's *To Kill a Mockingbird* was banned in Biloxi, Mississippi schools, they

used their words to inspire change. The story of their inspirational letter imploring the Biloxi Board of Education to reconsider the book ban was covered in the *Bergen Record* and caught the attention of Senator Weinberg, Assemblyman Johnson, and Assemblywoman Vainieri Huttle who drafted legislature commending Emily, Ms. Malanka, and the AP students' demonstration of moral courage and responsible citizenship. Representative to the State Assembly and Senate, Ralph Shermer, paid a surprise visit to the AP class to deliver the honor. Congratulations to Emily, Ms. Malanka, and AP Language and Composition students. We thank them for making a difference.

Mr. Gary Whitehead's Journalism class hit the ground running this fall launching Tenaflly High School's newspaper *ECHO* online. The site features News, Student Life, Opinion, Sports, Arts and Entertainment, Science and Technology, and Lifestyle articles. Ms. Lisa Fleisher, Tenaflly High School alumna and editor at London's Bloomberg News, visited the Echo staff to share her experiences as a journalist and editor. She imparted valuable advice on the profession and tips for tackling the writing process. Visit TheTenafllyEcho.com regularly for exciting THS news.

Students in Ms. Amanda Oppedisano and Mr. Tom Hutchinson's Humanities classes visited NYC on Friday, November 17 to enhance their study of medieval art and architecture. Students participated in two guided tours that day. At the MET Cloisters, students meandered through the arches of Romanesque and Gothic structures experiencing the lives of people living and worshiping during the Middle Ages. The morning's highlight was the discussion of the narratives depicted in the famous Unicorn Tapestries. In the awe-inspiring Cathedral of St. John the Divine, students viewed traditional and contemporary sculpture and architecture that celebrates the diversity of many cultures. That afternoon, students were artists themselves, sketching stained glass windows and creating art rubbings.

In early November, Ms. Dana Maloney attended the 2017 National Council of Teachers of English Convention in St. Louis, Missouri and participated as a member of the panel discussion "Reaching Every Writer and Keeping Writers in Motion: "Yes, You CAN Write!". Upon returning, Ms. Maloney shared highlights from the convention with the English department during the November staff meeting.

Social Studies

Mr. Toale's U.S. History II classes have become quite depressing. Students participated in a simulation to gain experience on life during the Great Depression. The simulation placed students into families and gave them a budget. "Families" needed to try to pay bills, cope with the financial burden of the birth of children, and suffer the consequences of not being able to pay those bills. These activities were employed to demonstrate some of the reasons for the Great Depression and its consequences on Americans.

Things in Ms. Schmarge's European History class got interdisciplinary, with students creating 3-D models of medieval manors, along with a fictional short story that represent some aspect of life in the feudal system.

Mr. Hutchinson's Humanities students recently presented their thoughts on various Renaissance painters by discussing selected works of each. American Cultures II students are studying World War I.

Ms. Loffredo attended a seminar on "American Culture of Adolescence" at Rutgers Teachers' Institute. The discussions explored the evolving conception and culture of the years between childhood and adulthood.

Mathematics

The Mathematics Department welcomes two new members

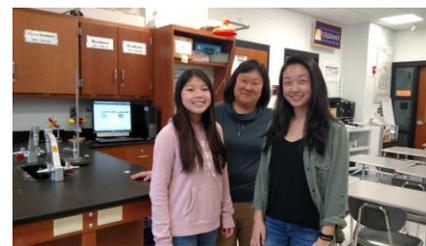
and one returning member this year. Ms. Michelle Roux is an alumnus of Tenafly High School. Ms. Roux graduated from St. Thomas Aquinas College in May of 2017 with a BA in Math and Adolescent Education. Her career in Tenafly Public Schools began the Monday after her graduation at the Middle School as a leave replacement teaching Math 7 and Algebra 7. Ms. Roux is currently teaching Algebra I CPA, Geometry CPA, and Geometry CPB. Ms. Roux resides in Tenafly and is an active member of the community.

Mr. Jonathan Lee joins the Math Department in the full-year maternity leave position. Mr. Lee has earned the following degrees: MS in Actuarial Science from Columbia and BA in Biology from Rice University. Mr. Lee's professional experience includes working as an Actuarial Associate and teaching Math in Texas for two years. Mr. Lee is currently teaching Precalculus CPA, Algebra 2 CPA and Trig/Stats. He currently resides in Tenafly with his wife and family.

Mr. John Westervelt returned to the Math Department this fall. He took on a half-year maternity leave position after retiring from THS in June of 2016. Mr. Westervelt is currently teaching Geometry CPA, Algebra 2 CPA and Prob/Discrete. The Math Department is overjoyed and very thankful for his return. As it does each year, the Math Club's competitive season has started and they have hit the ground running. The season

opened in October with the first Bergen County Math League Competition (BCML). The Club will compete throughout the season to earn points toward their team standings, which are announced in the spring. During the first round of competition, our students performed well with some achieving high-level scores of 5/6. The winter months in the world of math competitions are busy. Students will compete in the Association of Mathematics Teachers of New Jersey (AMTNJ) competition, additional BCML completions and the AMC10/12. The team is looking forward to these challenging competitions. **GO TIGERS!!!**

Science



Tenafly High School is honored that two of its Science Research students, Kaitlyn Yeh and Isabelle Kang, were selected as 2017-2018 Siemens semifinalists for their joint project, "Generation and Characterization of Scaffolded Nanocomposites Coated with Aminosilane-stabilized Metal-Core Nanoparticles." Out of about 1800 projects, their project was one of 300 selected for this distinction, and while New Jersey has 19 students who were selected as Siemens semifinalists this year, Tenafly is proud to have two of these promising student researchers in our junior class. Thank you to Mrs. Woleslagle for her

support and guidance of this project.

World Languages

As teachers in the World Language department have seamlessly adjusted to the new block schedule, they have been active both inside and outside of their classrooms. In October, Mr. Vicchio attended the Coccia Institute's annual conference for Teachers of Italian. At this conference, Mr. Vicchio was able to engage in intensive hands-on workshops on innovative techniques for incorporating the "Made in Italy" concept into teachers' classrooms. In addition, Mr. Vicchio heard the keynote address by Prof. Riccardo Giumelli (Universita di Verona) and a presentation by Maurizio Forte, Director of the Italian Trade Agency of the Consulate General of Italy in New York. In November, Ms. Ribau attended a conference entitled "Getting to the Core of Standards" sponsored by the Foreign Language Educators of New Jersey (FLENJ). At this workshop, Ms. Ribau and colleagues from around the state discussed how to apply the World Language standards in daily lesson for communication. Ms. Sung recently attended a workshop on Advanced Placement Chinese Language and Culture at Seton Hall University. Ms. Williams offered two workshops through the district's Project Infusion program. Her first workshop was on the offerings within the Google Suite of apps and how to use them in instruction. Her second workshop was dedicated to Padlet and its applications for

all instructional settings with a focus on World Language instruction. In December, Mr. Sernatinger will offer a workshop on the use of Twitter as a means for communication and global connection. Ms. Peláez-Martínez and Ms. Bilali will travel to the Museum of Metropolitan Art in January as an extension of classroom learning activities. Ms. Kim recently had a visitor observant from a school in Peru. This visit allowed for collegial discussion and comparison on instruction in the US and Peru. Ms. Ribau, Ms. Díaz-Gallardo, and Ms. Costello have been exploring digital assessment in their Spanish 2 CPA classes. Students have completed assessments through Google Forms, which has allowed students to see and hear authentic media sources that require their correct interpretation. Ms. Williams and the French Club held a recent bake sale and donated the proceeds to Les Restaurants de Coeurs—a non-profit organization that helps feed the needy in France. Ms. Peláez-Martínez and Mr. Youssis and the Spanish Club have raised over \$600 for the Hispanic Federation, which aids the relief efforts for the victims of Hurricane María in Puerto Rico. Their goal is to raise \$1,000 by the end of the year. To meet this goal, the Spanish Club held a standing-room-only movie showing of "Living on One Dollar", a Día de los Muertos lunch time fundraiser, and will hold a Parranda for Puerto Rico dance marathon on December 21st. As Tenafly High School has been selected for a trip to Japan through the Kakehashi project sponsored by

the Ministry of Foreign Affairs (MOFA) of Japan, Ms. Lane will accompany a group of soon-to-be-selected students to Japan in February 2018. Lastly, NJ Seal of Biliteracy testing begins for seniors on Tuesday, December 5th. Any senior who wishes to achieve the NJ Seal should contact Dr. Giblin to arrange for testing. Juniors will be tested in late January and the month of February 2018.

ELL

In ELL Intermediate class, we are reading a New York Times Magazine article dealing with our electronic devices and how they can be used to invade our privacy. We are discussing questions such as "What is our constitutional right to privacy?" "What is and how does the Fourth Amendment protects us in the age of digital world?" We are also looking at case studies where Alexa and Fitbit were used to convict individuals who committed crimes who may have gotten away if it were not for those devices.

With ever-developing technology, it seems inevitable that the court has to establish a more updated interpretation of the Fourth Amendment.

Special Education

This fall the Special Education Department was fortunate to have been joined by new staff - Case Manager and School Psychologist Gabriele Ward, two special education leave replacement teachers: Marissa Ruggiero and Jillian Rothstien, as well as two new part time paraprofessionals: Jana Castelli and Maureen Hassett. We also welcome Nicole DeMarco and

Caren Rosenbaum back from TMS as paraprofessionals. We are delighted to share in the joy of the arrival of baby Charlotte with Ingrid and Matt Scanlon, the arrival of baby Brielle with Caitlin and Anthony Altobelli and in the marriage of Joy and Jack Mullen. We wished Tilaga Rajagopol great success as she left us as a paraprofessional to start her middle school math teaching position in Paterson and we welcome Georgia Sue who is replaced her.

Our teachers have developed new units on executive functioning, adapted lessons for the new bell schedule, examined neuro-myths and attended a variety of Project Infusion offerings, including the Mindfulness Workshop and training on Achieve 3000, an on-line resource for non-fiction reading and writing, presented at student independent Lexile levels. Three teachers were given instruction on uPAR to assess benefit of text-to-speech software and Snap&Read which adjusts on-line text to Lexile level. Resulting data was shared with case managers and teachers. Other on-line resources available to students include IXL for Algebra, Co:Writer and free Chrome applications such as SpeakIt! and Rewordify. The latter two have broad use across all academic settings within high school with continued benefits beyond.



Our Transition



Program, is in its fourth full year of operation,

celebrated their Fourth Annual Thanksgiving Feast. Students participated in a variety of lessons and activities across disciplines, preparing delicious food, writings & activities for guests and serving as hosts/hostesses to their teachers, paraprofessionals and administrators.

Fine and Practical Arts Department

Visual Arts



Art continues its fine production of work which can be seen in our various art displays throughout the school.

Can you name two of your personality traits that are direct opposites? Ms. Allen challenged her 3D Design students to think about just that! Once



students determined their answers, they had to build two wall sculptures expressing each personality trait. Students got to know one another better as they shared their sculptures with the class. They also explained how their designs best represented the inner workings of their minds. The results were fantastic!

Ms. Allen's Art Experience classes celebrated diversity with the Mandala Project,



which is a design challenge where students include symbols inside their mandalas that

represent personal identity, unique characteristics, and future goals. Each year, this project serves as a way to bridge the gap between the widely diverse groups of students in Art Experience. Classmates share topics related to race, religion, sexual orientation, family dynamics, countries of origin, hopes, dreams, and special qualities. The colorful radial designs are just as beautiful, diverse, and individual as our student body.

The THS digital art program and the THS Tiger Tots have joined creative forces on their first collaborative project of the year. Our tots began by learning the difference between lines and shapes, making drawings of their animal of choice. These images were scanned and imported into Photoshop. The Digital Art classes has begun to add textures, backgrounds and shadows to bring these drawings to life. The tots are in for a surprise when they see what the THS students are doing for them. We are all looking forward to meeting each other and to share our work. Images will be displayed for all to enjoy.

Ms. Pacheco and her Photography students are very excited



with the new Digital SLR cameras recently purchased. With these digital SLRs, students will work in pairs to explore, Aperture, Speed and ISO, the main features that sets these cameras apart from smartphone cameras. New lessons that explore Depth of

Field, action photography, low light photography, macro photography, and portraiture are just a sample of new learning opportunities for the class.

Students from Mrs. Pacheco's Portfolio Honors are working with the Friends of the Tenafly Library to prepare a Little Free Library for use in Tenafly. In the photo students Yunjin Lee and Rahee Shin are preparing the surface. They will then hand paint the Tenafly Public Library Logo and the Friend's logo on the little library.

Family and Consumer Science Education

We would like to Welcome Ms. Mary Kane Malone as the new Child Psychology (formerly Child Development) teacher. Ms. Malone come to us from Mountain Lakes Regional High School where she taught Psychology and Latin. Ms. Malone will be working closely with Ms. Chanel Carela, out Tiger Tots Teacher, to create new and exciting opportunities for our students and their "buddies", the Tiger Tots.

Music and the Performing Arts Department

We would like to welcome Ms. Bronwen Eastwood to the Drama/Theater Department. Ms. Eastwood comes to us from the Elisabeth Morrow School where she taught drama and Music. She has hit the ground running, as evidenced by this interdisciplinary lesson with Ms. Lauren Malanka of the English Department, who classes have joined forces to explore the theatrical writing/acting process

in a workshop setting. Drama students shared their original monologues and the Creative Writing students read their writing. The classes, in small groups, participated in warmups and improvisation. Their next meeting will explore the writing of theater pieces as the writers work with the actors on original scenes and plays.

Congratulations! To Mr. Sam Ahn- Cooper and the cast of "Our Town", which was another rousing success for our Theater



production group. Special Thank you to Mr. Millar, the production manager, and Mr. Moger, who designed the stage, the sound and the lighting for the play.



We would like to welcome Mr. Michael

Jacobetz to the Music Department as our new Band Director. Mr. Jacobetz comes to us from Colorado, where he was an assistant Band Director. Mr. Jacobetz was charged with bringing a new vision to the Band Program and he has certainly done that.

In Chorus and Orchestra news: Violinists Sophia Motai and Momoko Uchida and sopranos Brianna Coppolino and Hannah Rosen performed with the All State Orchestra and Mixed Chorus at the NJEA Convention in Atlantic City. There is another performance at NJPAC on November 19.

In addition, we some news on our Performing Arts Alumni: Christian Zaremba, THS class of '04, will make his Metropolitan Opera debut as Angelotti in the new production of Tosca, which opens on New Year's Eve 2017. Christian has been at the Met for several years, and is the first person in the history of the company to go from being an extra to a featured artist.

Kevin Lin, THS class of '10, has been named co-concertmaster of the London Philharmonic Orchestra. After graduating from THS, Kevin attended Colburn University and then earned his master's degree at the Curtis Institute of Music.

Physical Education

Athletics

Volleyball –

The Girls Varsity volleyball team finished 16-10, playing in the states most competitive conference. The team went to the County Tournament elite 8 and were the # 5 seed for the NJSIAA Group 2 State Tournament. The team finished ranking #10 in the state among group 2 teams and successfully competed against perennial state powers Northern Valley Demarest and Northern Valley Old Tappan. The Tigers are looking good with strong Sophomore and Freshman classes including a JV team that went 23-0 and won their JV tournament this year. Go Tigers!

The Freshman Volleyball team had an outstanding season, finishing 15-3. All players made significant improvements throughout the season and

worked extremely well together. Highlights from our season include surprising the Varsity team by decorating the gym in a "White-out" theme for their Tiger Spike Tournament and winning the Garfield Freshman Volleyball tournament for the second year in a row.

Cheer – Strong leadership from veteran cheerleaders and the positive contributions of new team members have helped all cheerleaders grow their abilities. Our season kick off at camp provided a foundation for our progress in individual groups and during their team wide presentations. Each week we have added additional skills to the halftime routine in order to showcase the strides the group is making. Our senior night performance on the fourth will be our most complex and challenging show of the year! Additionally, the team hosted a Youth night where our recreational cheer program had the ability to cheer with our Varsity team and participate in the halftime show.

Boys Soccer – The Tigers finished with a 7-10-1 record, playing in the competitive upper division of the Big North Conference. The Varsity Soccer teams qualified for the state playoffs, eventually falling to sectional semifinalist Sparta. The team also hosted a County tournament game coming back from a 2-0 deficit to defeat Dwight Englewood 4-3 JV team had another strong season with some exciting county games v Ridgewood & Northern Valley Demarest, while Freshman team advanced in the

Freshman Country tournament while sporting an 8-3 record for the season

Girls Soccer –

The Varsity team persevered through many significant injuries that compromised the team's chances for victory en route to a 4-13 record. However, his players showed a clear willingness to compete; and played close games throughout the season vs perennial state powers Pascack Valley and Northern Valley-Old Tappan. Due to the team's difficult schedule, the team qualified for the state tournament, falling to eventual section champion Ramapo. JV team had a great season highlighted by advancing to the quarterfinals of the County tournament before losing to Northern Valley Demarest.

Girls Tennis - The Girls Varsity tennis program continued their championship ways by maintaining an undefeated conference record en route to winning a Big North Conference Championship. Their regular season was highlighted by key 3-2 wins over state sectional finalist Northern Valley-Old Tappan and Northern Valley-Demarest. The team was awarded a top 3 seed in the state tournament falling to eventual state sectional finalist Indian Hills. The team has now won a Conference championship or appeared in a sectional state final each of the last 3 seasons. Great job Tigers!!!!

Cross Country - Has been training hard all season, continuing their successful ways this seasons by the Tigers

by winning the Season Opener Invitational at Darlington Park in Mahwah and by finishing second to NV/Demarest at the Big North National Championships. Coach Burns and his team are to be commended on these achievements as many of his runners are underclassman.

Football – The Tigers finished with a 1-9 season battling through many significant injuries that compromised the team's chances for victory. However, the team were competitive in many games, demonstrating intangible traits that bode well for future seasons. Coach Toale and his program worked extensively with the youth levels to promote Football within our community. These efforts included hosting a Youth Night where the recreational programs were recognized by the High School prior to the start of the game. The team continued to have a positive outlook, throughout the season and we are excited for the future of Tiger Football.

Go Tigers!!!!

School Counseling

The guidance department is wrapping up early action/decision applications with seniors. The School Counselling office has processed 2235 college applications for 85% of the senior class. Soon, they will be receiving decision letters. The counselors are also starting to meet with freshmen students individually to introduce themselves and see how they are transitioning to the high

school. Counselors are reviewing first marking period grades for all students and are providing support for those who may be experiencing difficulties.

Mrs. Weisfelner visited NYU Gallatin on 10-13-17. The Gallatin school is a perfect fit for the intellectually "curious" student. Once admitted, these students can take courses at all the NYU schools in order to individualize their program at Gallatin. The school is defined by its interdisciplinary approach and is considered a liberal arts school. Classes are defined by the questions students ask and are supported by individualized advisers, then through an integrated course of study; students define and refine what they want to study. The "depth of inquiry" is a theme from all professors. One third of all Gallatin students major in the arts. Many arts workshops are offered including visual arts, dance, digital art, filmmaking, design and architecture, writing courses, song writing and, all students can take classes at Tisch (which is right next door). They have a strong theater department as well. The school is located in an office building and takes up 4 or 5 floors.

On October 27th, Ms. Thomas, Mr. Casamento and Mr. Cheval attended the New Jersey Higher Education Assistance Authority (HESAA) workshop on financial aid for New Jersey students. The workshop included information on how to help students fill out the Free Application for Financial Aid (FAFSA) and different funding opportunities for students who will attend college in New

Jersey. The counselors were able to use case studies to explore different financial aid scenarios as well as hear information from HESAA executives.

In November, Ms. Thomas attended a session on Mindfulness sponsored by Central Office. The daylong workshop, *Mindfulness: Techniques for Teens to Develop Compassion, Calm, Focus and Resilience*, taught techniques to help students (and staff) develop focus and calmness as needed. The conference leader, Allison Morgan, led participants through numerous breathing and visualization techniques designed to introduce mindfulness, focus, awareness and stress-relief. Discussion about brain physiology was also part of the workshop explaining how different areas of the brain stimulate different emotional and physical reactions.

Mrs. Ihn will be attending a counselor's luncheon workshop at Ramapo College to learn more about their academic programs, admissions process, and financial aid packages regarding New Jersey resident students.

Support Services

Tenaflly High School and Tenaflly Middle School have engaged CARE PLUS to offer additional mental health supports for our student body by means of accessible individual and group counseling. CARE PLUS professionals Susan Fenker, a licensed clinical social worker, licensed counselor Heather

Brown Huston and Fordham University MSW intern Shira Goldstein work as a team in this joint venture of expanded services with the Tenaflly Public Schools offering both in-house support as well as connections for students and their families to outside services. Clinician Brielle Senft is providing supports at TMS.

Individual counseling is scheduled during the school day as referrals are made to CARE PLUS through the school counseling and CST department. Such referrals require parental consent and administrative approval. Students may be referred to a group or may request to join a group in a similar fashion.

The CARE PLUS "Center Space" is an inviting environment designed to provide students with an optimal sense of comfort, safety and well-being. Housed within the guidance suite at THS, Mrs. Fenker and her team have organized psychoeducational and recreational groups for our students such as Girls Group, Wellness Group, Rec Group and a Teen Group which meet weekly after school as well as a lunch group during the unit lunch period. These groups aim to increase students' coping skills and provide opportunities to de-stress by meeting and socializing with new peers.

Thus far, Mrs. Fenker has found THS to be "a very welcoming community" as she and her team have already begun serving students both individually and in groups. As Mrs. Fenker comments "It is

very important to bring mental health services and wellness into the academic arena to keep students of all abilities together."

Displayed on a poster in her office is one of Mrs. Fenker's favorite mantras which duly sums up her philosophy after her many years of experience providing mental health supports for students: "If you notice my ability, you will see no disability."

Library Media Services

Montessori Visitation

On November 27, 2017 Tenafly Public Schools educators visited Montessori House in Tenafly. The purpose of the visit was to learn more about the Montessori Method. Prior to the trip the group was briefed about Dr. Maria Montessori, and the effective methods she developed that have become world renowned. The educators then moved into the classrooms and observed. It was immediately apparent that the Montessori teachers had a very unobtrusive role. Students had self-discipline as each chose what to work on and where for as long as they wished. Each had a small mat, rolled out on a carpeted floor delineating their work space. Children discovered concepts from a large selection of self-teaching materials originally created by Dr. Montessori. The learning materials have texture, color, shape, and dimension. Teachers made notes of individual children's activities and progress and gave minimal but important guidance. Teachers always spoke softly to the children. The children help

to run their own classroom. They fold washed dry towels, bring real dishes to the sink area, and take part in preparing classroom and keeping it neat. All materials are placed back on the shelf exactly as they are found. The children had freedom and purpose at once, resulting in a "dynamic calm" felt by the observer. This experience will help generate new and innovative ideas for all the district libraries, including the high school.

Donation of Plasma Displays from NBC

From 42 inches to 103 inches, we are glad to have added donated television monitors from NBC Universal. Made possible by THS parent Clarence Hau, we have made several trips to pick up various equipment so useful in an educational setting. We have employed this equipment to better accommodate study groups in the library, play content in French language using an Apple TV pointed to France, and installed one in attendance office with informational display. Many Thanks to Mr. Hau and NBC!

New Schedule and Mr. Moger's TV production Classes

The new rotating schedule has now enable all of Mr. Moger's TV production classes to produce a live telecast to the building and community every day. All students taking his class now have a wide variety of activities, from producing prerecorded "packages" to include in the live broadcast to taking one of the many positions required to place a live broadcast on the air. This

variety along with the true public service this class provides offers a rich and diverse experience that students can feel very proud of.

Mr. Steve Moger, TV production teacher attended NAB/ASE workshop in New York City where he took part in several video and audio production workshops.

Technology Education News (Ms. Ghania Layachi)

On September 29th Ms. Kliesch Stacey Ruhle from NJIT, an architect and Interior Designer visited the school in order to expose THS students to the NJIT program. The presentation covered all degrees under the College of Architecture and Design: Architecture, Interior Design, Industrial Design and Digital Design.

On October 6th THS Engineering students toured of state of the art CNC manufacturing in Mahwah, where they met experienced CNC instructors. A field trip to Lincoln Technical Institute and Allendale Machinery Inc. also took place. Students toured the classrooms and CNC lab which contains the latest equipment by HAAS Automation and Allendale Machinery. Students learned about the dual enrollment offered at Lincoln Technical Institute as well.

On October 16th engineering students went to Columbia Engineering Women's Forum. Girls in the THS engineering class had the opportunity to visit Columbia University where they met renowned Columbia

Engineering faculty, were introduced to Columbia's unique approach to engineering, and learn about the exciting opportunities available to female engineers at Columbia.

On October 31st Ms. Layachi attended a Teacher Professional Development Workshop for the Panasonic Creative Design Challenge at Panasonic facilities in Newark NJ. This workshop was intended to help teachers prepare students to participate in 2018 Panasonic Design Challenge. At the workshop the teacher learned about the about the Design challenge and competition rules.

On November 16th Ms. Layachi attended Teacher Professional Development Workshop at Pascack Valley High School where teachers observed the project-based engineering course offered at Pascack Valley High School and learned how to implement the program. Teacher got as well a chance to speak directly to students and teachers about their experience and learn how a team of University of Texas faculty, NASA engineers, and secondary teachers developed the curriculum.