**English**

Ms. Jessica Rosevear’s AP English Literature students recently created artistic responses to their reading of *Orlando* and other short pieces by Virginia Woolf. Some did paintings or other visual art responses, some wrote short stories using the stream of consciousness technique, and others wrote analytical and research essays. Ms. Rosevear was impressed with their creativity.

Ms. Lori Hampson’s sophomore and junior students recently presented their own creative projects. In World Literature II, students designed projects that reflected their understanding of an independent reading book. Options ranged from a movie trailer or photo album to a *New York Times Book Review*-style critical examination. American Literature students wrote 3-4 page short stories that incorporated techniques employed in “The Fall of the House of Usher” by Edgar Allan Poe. Pieces featured vivid language, first-person narrators, and dreamlike worlds.

In Mr. Daniel Oppedisano’s World Literature I class, students applied the material they learned in their Social Studies courses to their study of Middle Eastern and Afghan culture during their reading of Khaled Hosseini’s *The Kite Runner.*

**Social Studies**

Ms. Diaz was selected for the Fulbright-Hays Group Projects Abroad Program’s “The US-NJ-South Korea Project: Exploring Korea's History, Culture and Education System through Experiential Learning”. This long-winded-titled program is funded through a U. S. Department of Education Grant. The experience is designed for teachers who want to learn more about, and who also teach about, South Korea in their classrooms. As a participant, Ms. Diaz, along with approximately a dozen other educators, will attend a four-week trip this summer to study and visit educational facilities and cultural sites in South Korea. And since the program is confined to south of the 38th parallel, Dennis Rodman will not be part of the delegation.

Mr. Hutchinson’s classes are taking interdisciplinary learning to the next level. In exploring the 19th century American West, his United States History I students are examining the historical interpretation of classic western movies like *Shane*, *High Noon*, and *The Searchers* and then comparing them to the film *Jeremiah Johnson*, which was viewed by the class. And Mr. Hutchinson is not afraid to tackle head-on what might be one of the most frightening things to many Social Studies teachers—math; students in his African and Asian History classes recently created examples of Islamic art that required the use of geometric patterns.

Ms. Celli’s European History Advanced classes just completed a mock trial on Louis XVI and the French Revolution. Most students were assigned a historical role in which they had to create witness statements. Other students, assigned as lawyers, had to prepare direct and cross examination questions, draft opening and closing statements, and familiarize themselves with common judicial objections. Unlike Mr. Hutchinson, it is a good thing that Ms. Celli did not get interdisciplinary with this project; a Tech Ed-Social Studies collaboration to design a guillotine would probably have garnered THS some unwanted negative publicity and some major liability issues. In addition to the mock trial, students also completed a formal essay examining the role of the Enlightenment on the French Revolution. Ms. Celli’s
European History CPA students began a research assignment on the Industrial Revolution, in which they will cover various aspects of the Industrial Revolution by creating a 19th century newspaper. They will include opinion pieces on new ideologies, working conditions, and emerging reform movements as well as create advertisements for new inventions and discoveries from the time period.

Mr. Mirabito’s European History I class recently created ten Mediterranean Cruise Itineraries using interactive slide show software provided by Prezi.com. Prezi is a virtual whiteboard that transforms presentations from monologues into conversations: enabling students to see, understand, and remember ideas. Prezi employs a common tool palette, allowing users to pan and zoom, and to size, rotate, or edit an object. The users place objects on a canvas and navigate between videos, images, texts and other presentation media. Frames allow grouping of presentation media together as a single presentation object. Paths are navigational sequences that connect presentation objects for the purposes of structuring a linear presentation. Students can work together on the same Prezi in live time remotely using Prezi’s shared services. Prezi provides an opportunity for students to utilize their creativity and organizational skills to create engaging and interactive presentations and provides experience with software that is being utilized by graphic designers, businesses, and marketing firms all over the world.

Mathematics

The 2014 Winter Olympics are underway. Thousandths of seconds separated cross country skiers after 15 kilometers of racing, hundredths of points kept athletes off the medal podium, and fractions of millimeters determined a missed target in biathlon. Skiers and skaters turned 2, 3 and 4 revolutions in the air, skiers flipping at the same time. Jumpers calculated wind speed and air resistance and made slight adjustments in midair to extend their flights down the hill. Math is everywhere! And how can a little country like Norway, all-time leader in Winter Olympics medals once again be atop the medal count?

We just celebrated the 50th anniversary of the Beatles performance on the Ed Sullivan show. 2014 also marks the:

• 100th anniversary of the birth of poet Dylan Thomas who once wrote, “A good poem is a contribution to reality. The world is never the same once a good poem has been added to it. A good poem helps to change the shape of the universe, helps to extend everyone’s knowledge of himself and the world around him.”
• 100th anniversary of Babe Ruth’s debut in major league baseball. Ruth’s statistics still place him in the top ten in nine different categories.
• 60th anniversary of Roger Banister breaking the 4-minute mile.
• 40th anniversary of Richard Nixon’s resignation.
• 25th anniversary of Tiananmen Square and the fall of the Berlin Wall.
• 15th anniversary of Columbine
• 10th anniversary of Facebook

As mathematicians we study the statistics of longevity, make predictions based on past data, and consider the strength of correlation among events. How many lives have been changed and how much history molded by these moments in time? What do these numbers say about how long our words and actions will be considered or how we will be judged in the future?

Students who have completed the one semester Trigonometry course with Mr. Curko and Mr. Megdanis have just completed the TRIGSTAR competition administered by the New Jersey Society of Professional Land Surveyors. This competition promotes the study and mastery of trigonometry in high school. The individual school winner was Peyton Wagner.

On February 4th, Ms. Wissler and Dr. Hu administered the AMC-10 and AMC-12 competitions during periods 1 and 2. Thirty-one students participated including five from Tenafly Middle School. This test is a prerequisite for the prestigious AIME contest. The B competitions will be held on February 19th. On February
27th, the Math Team will host the BCML dinner and final competition of year. Students are preparing for the math portion of the HSPA exam to be administered on March 4th. Review booklets have been distributed; teachers are working problems and answering questions in class as needed or warranted.

Algebra students are solving systems of equations, learning when relationships have no solution, infinite solutions, or a single solution. They are solving these systems graphically, analytically, and with calculators. These problems form the basis for linear programming skills where students examine regions of feasibility in solution.

Geometry classes are studying polygons, their interior and exterior angle sums and number of diagonals. Rich in vocabulary, this unit weaves algebra and combinatorics into the study of geometry.

Algebra 2 classes are working to extend their understanding of rational numbers to rational expressions. This unit reinforces the concepts of domain and factoring. Students solve work and distance/rate problems in their studies.

Precalculus classes have completed their study of trigonometry and are beginning an intense look at transformations of many familiar functions (linear, quadratic, absolute value, cubic, square root, and cubic root). This unit will provide the basis of understanding as they extend their knowledge to polynomial, rational, algebraic, logarithmic, and exponential functions.

Having completed the differential topics in calculus, students are studying the Fundamental Theorem of Calculus as they begin the integral topics.

All of our students are involved in the study of rich, varied math, designed to develop creative thinkers who can use numbers to solve problems.

Science

Up-to-date New Jersey Science League standings:
- The Chemistry II NJSL team, coached by Mrs. Firnberg, came 2nd in the state in the January competition.
- The AP Physics C students, coached by Mrs. Coyle, have done very well again so far at NJSL; they are tied for 5th place in the state.

Science Research News:
- Six of Dr. Kennedy’s science research students entered the DuPont Challenge; submitting essays on their research topics but writing for the general reader, not the scientific audience.
- Susanna Betti, Dr. Kennedy’s student, qualified to present her summer research as a poster at the Junior Science and Humanities Symposium at Monmouth University this March. In Mrs. Coyle’s class, Malcolm LeClair, Christine Migliore and Jenny Ni also qualified for the Junior Science and Humanities Symposium at Monmouth University.

World Languages

As the 2014 Winter Olympic Games take place in Sochi, let’s take a look at a few facts:
- According to voiceofrussia.com, “Police at the Sochi 2014 Winter Olympics will be able to converse with spectators and other guests in three languages: English, French and German, the Russian Interior Ministry said.”
- The Sochi Media Center reports “The call center is now operating in two languages, Russian and English. During the Olympics, it will also provide information in French, German, Chinese, Japanese and Korean, with 24/7 availability.”

Staff News:
- Mrs. Pastushok, Mrs. Woleslagle, and Mrs. Coyle attended the NJAAPT Dave’s physics demos at Rutgers on February 8th. These teachers are working on introducing new demonstrations into the Physics and Chemistry curricula.
- Mrs. Coyle was asked by STEM Teachers NYC, at Columbia Teachers College, to give a workshop on Electromagnetic Induction on April 5th. We will forward the announcement in case any colleagues would like to attend.

- Mexico has one athlete on its team: Hubertus of Hohenlohe-Langenburg, who was born in Mexico City and is also a German
Prince. He will compete in alpine skiing.
• France has been represented at every Olympic Winter Games and hosted the event on three occasions, including the first Games in Chamonix in 1924. This year, athletes to watch include Brian Joubert and Florent Amodio in skating, Alexis Pinturault in alpine skiing and Ophelie David in freestyle skiing.
• As of Monday, February 10th, China has earned one medal. Tianyu Han skated for the silver medal in the short track speed skating.
• For the Italians, Christof Innerfhofer won a silver medal in men’s downhill skiing and Armin Zoeggeler took the bronze medal in the luge.

While the official languages of the Olympic movement are French and English, broadcasts of this year’s Olympic games can be heard in a variety of languages.

Moving on to our classes, Ms. Sung recently wrote a grant that was funded by the Tenafly Educational Foundation which brought a Chinese harp player to THS. Grace Chang, of the New York Chinese Harp Music Center, played in the THS library for all students in the Chinese language program as well as students in the Orchestra. The ‘guzheng’ or Chinese harp is a traditional Chinese instrument whose music reflects the elegance of the Chinese people and their culture.

Students in Ms. Peláez-Martínez’s Italian I classes are working on their family trees. As they create their own, they can use the ‘albero genealogico’ resource on-line. Ms. Vélez’s students recently saw Repertorio Español’s production of ‘La Gringa’ as her upper level Spanish language students explored the theme of identity. Ms. Williams’ classes continue their weekly Skype sessions with their sister school in France.

National language exams will take place during the months of March and April. The National Italian Exam will be held on Tuesday, March 11th. The National French Contest—AATF Le Grand Concours will take place on Tuesday, March 18th and the National Spanish Exam will be held March 31st through April 3rd.

**Special Education**

The Special Education Department wishes to welcome part time paraprofessional Elisabeth Gross to our staff. Ms. Gross will be with us in the afternoons.

Starting in mid-February our department will be participating in an eight session statewide pilot project, It’s All About Work, designed by the NJ Association of Centers for Independent Living to assist schools in meeting the Core Curriculum Standards and IEP requirements for transition for high school age students. Through their participation in this program all students will develop a strengths based profile which will assist in developing transition goals for post-secondary planning and goal setting.

Members of the Special Education Department used professional development time on January 31st to meet in groups and to look at various curricula in order to create basic frameworks for the upcoming years as the new English, Science, Math and Social Studies replacement courses are implemented as part of THS’s Program of Studies.

Three bills regarding dyslexia went into law this year in New Jersey, one of which requires that all school districts provide professional development related to dyslexia and other reading disorders to all elementary, Basic Skills, English as a second language, and special education teachers and related staff. Dyslexia is a specific learning disability that is neurobiological in origin. It is characterized by difficulties with accurate and/or fluent word recognition and by poor spelling and encoding abilities. These difficulties typically result from a deficit in the phonological component of language that is often unexpected in relation to other cognitive abilities and the provision of effective classroom instruction. Secondary consequences may include problems in reading comprehension, and reduced reading experiences can impede the growth of vocabulary and background knowledge. (International Dyslexia Association, 2002)

Some Common Myths about Dyslexia

• Myth: Dyslexia does not exist.
Fact: Dyslexia is one of the most researched and documented conditions affecting children, with over 30 years of scientific, replicated, published studies conducted by the National Institutes of Health (NIH).

Myth: Dyslexia is rare.
Fact: According to NIH research, 1 out of every 5 people, or 20% of our population, are dyslexic.

Myth: Dyslexia affects more boys than girls.
Fact: Research shows just as many females as males have dyslexia.

Myth: Dyslexics are not smart.
Fact: Some of the most intelligent students struggle with reading. Many gifted people are dyslexic and are at the top of their field, and there is higher heritability in those with higher IQs. (Olson et al 1999, Wadsworth et al. 2000)

Fine and Practical Arts
Department
Visual Arts

The Art Department is pleased to announce that two of our Teachers were awarded TEF grants for this year. Ms. Kirschbaum received a TEF Grant for her Hydroponic Garden concept that she has been working on with the Science and Technology Departments. This is a true example of interdisciplinary learning and this project takes the concept of STEM and introduces an art into the mix, making this a STEAM (Science, Tech, Engineering, Art, and Math) initiative. Ms. Pacheco received a TEF Grant for equipment and supplies to create a photography studio for the burgeoning Photography class. Students will work with lights and backgrounds to create professional portraits. The class has taken off well and the sky is the limit for this program! Congratulations Ms. Pacheco and Ms. Kirschbaum!

The students in 3-D Design are beginning a Fiber Arts Unit. They are first learning basic hand stitching techniques such as basting stitch, back stitch, cast over stitch and blanket stitch. The students will then design and create a soft sculpture out of fabric.

Business

On February 27th, the Business Students will be having a SKYPE session with Mrs. Barbara Corcoran of the ABC hit show “SHARK TANK”. They will be learning from a true entrepreneur and receive some business savvy that they will be able to utilize in the business world. Thanks to Mr. Scott Hiler, for putting this together.

Music and the Performing Arts Department

The Music Department had a busy holiday season and it has continued during the new year. Right before the Holiday break, our Madrigal Singers toured the different schools and sang Christmas Carols to the students and staff of our Public schools. That was followed by the Madrigal Festival, where our singers put together a show that delighted. In conjunction with Mrs. Johnson, a fine dinner was made by our students in the Cuisines classes.

The Tenafly Music Department once again brought down the house with another successful performance of the annual Winter Concert on January 21st, 2014. Thank you to Mr. Stanek and Mr. Millar for the work that they do on these events.

Athletics

What a great day February the 6th was for Tenafly Athletics. After being delayed a day by the snow and ice storm THS was able to celebrate in grand style the signing by Josette Norris of her “national letter of intent” to attend the University of North Carolina and the signing of a “likely letter” by Phoebe Hersh to attend Dartmouth College. By signing her “national letter of intent” Josette was entering a binding contract with UNC. She is receiving a full scholarship to run for the Tarheels. Quite a feat considering the university is only allowed to give a total of 18 scholarships for their whole women’s cross country/track program. That is 18 scholarships for all 4 grade levels not just entering freshman. Josette was one of the top recruits in the nation this year and broke quite a few coaches’ hearts when she chose the UNC blue. Phoebe Hersh
signed a “likely letter”. Ivy League schools do not give athletic scholarships but a “likely letter” all but guarantees an athlete will be admitted into the college offering the letter. Phoebe was chosen because of the potential she has shown in the 800m. Both girls will at the end of this year have accumulated 12 varsity letters over their high school careers; Phoebe in soccer, basketball and spring track while Josette earned varsity letters in cross country, basketball, winter and spring track. Both of these outstanding athletes will also tell you how they played many sports over the course of their playing careers and did not need to specialize in one sport from a young age to achieve these highest levels for scholastic athletes. Congratulations to Josette and Phoebe for achieving what only a few have done before them.

Congratulations to Abby Golodik for being honored by the New Jersey State Interscholastic Athletic Association as a top female athlete at the National Girls and Women in Sports luncheon held at Seton Hall University this past Sunday. Abby is a 3 sport athlete playing volleyball, basketball and softball here at THS.

Good luck to the boys swim team as they continue to advance in the state tournament. Next up is Northern Highlands. Also, good luck to the hockey, basketball and winter track teams as they enter state tournament competition in the coming weeks.

AN IMPORTANT REMINDER TO ALL PERSPECTIVE SPRING SPORT ATHLETES. COMPLETED ATHLETIC FORMS SUBMITTED TO THE ATHLETIC OFFICE BY WEDNESDAY, FEBRUARY 19. More information concerning forms and requirements can be found on the Athletic web page.

BE SURE TO VISIT THE UPDATED TENAFLY ATHLETIC WEBSITE FOR INFORMATION ABOUT OUR ATHLETIC PROGRAM AND SIGN UP FOR “Tweets” from our new Twitter account. https://sites.google.com/site/tenaflyhsathletics/

Go Tigers!!!!

School Counseling

Scheduling courses for the 2014-15 school year is underway. Teachers have made their careful recommendations and students are meeting with their counselors to discuss those recommendations. Parents may view teacher recommendations for their child via the Genesis Parent Portal. If after careful consideration and consulting with their teachers and counselors, students may formally appeal a recommendation. The Appeal process has been revised and updated. Please refer to Addendum E in the Program of Studies for an explanation of the appeal process. Students can find the appeal form in the Program of Studies on page 101 or download a copy form the school counseling website. Appeals need to be filed with the content area supervisor by February 19th, 2014. Selecting courses and the appropriate levels can be difficult. Many students have the desire to take the most rigorous course load available because they perceive it is what elite colleges want to see. Balance is strongly encouraged. Students need time to decompress, relax and enjoy their adolescence. Students and parents please consult with teachers and counselors for guidance and support.

The 2013-14-college process is well underway with midyear transcripts being sent electronically the first week in February. The Class of 2014 has 2714 active college applications to 376 different colleges and universities. The college application process is an anxious and stressful time for students and families. The college selection process is becoming increasingly subjective. As counselors we strongly urge our students to risk taking the most rigorous courses in areas in which they have real interest and passion. We are increasingly aware of the intense pressure on our adolescents to achieve- at any cost. Stress has become a common occurrence and complaint. According to the US Department of Health and Human Services, stress is a clear risk factor for mental health disorders, which have been estimated to affect approximately one in five children ages 9 to 17. Stress responses can be both positive and negative. Stress may manifest itself negatively in many ways; a drop in grades, substance use/abuse, behaviors such as depression, anxiety, aggression, risk taking, changes
in sleep eating patterns and friendships. Last month Madison Holleran, a freshman at the University of Pennsylvania, a local track star and Bergen County resident tragically committed suicide. She is the third undergraduate at Penn to commit suicide this year. Stress and the college admission process are real. In the Journal of College Admissions Fall 2013 one student wrote, “The admissions process was going to determine my entire future. I felt like the slightest mistake would mean total failure” another student wrote “I viewed the college admission as both the pinnacle in my life up until that point and as an integral part of my future” High school and the college process is part of the journey to adulthood. At Tenafly High School there are many support services in place to help students and families. Communication between the home and school is key to success and the school counselor is the conduit to encourage and facilitate this communication.

The HSPA will be given to all juniors on March 4, 5 & 6. All other students will be on a delayed opening schedule. Details are available on the School Counseling website. Students are urged to take the HSPA seriously as it is a graduation requirement and our scores are used to “rank” our school. This is the last year HSPA will be given.

AP registration is in full swing. All students currently in enrolled in an AP course must take the AP exam given in May. Please see Mrs. Cohan in the School Counseling Office if you have any questions.

March 13, 2014 Parent College Night for Juniors – please join the school counseling department at 7 pm in the Tenafly High School Library Media Center for an informative and enjoyable night.

Support Services

SLEEP HYGIENE FOR TEENS!

Sleep deprivation among American adults is a well-documented public health epidemic. But what about teens? Although most teens require 8 – 9 hours of sleep each night, the National Sleep Foundation (NSF) reports that most do not get enough sleep – less than 15% actually get the amount of sleep necessary to function productively during their waking hours.

Sleep is “food for the brain” (NSF). A sufficient amount of sleep is paramount to feeling well and to performing at one’s best in both academic and extracurricular activities. Often, not enough attention is paid to why teens lack sleep, how detrimental sleep deprivation is for teens and ways in which teens can improve their sleeping habits.

Contrary to popular belief, teens need as much or more sleep than they did during their elementary school years, yet they seem to have less time to devote to sleep with increased academic responsibilities, participation in extracurricular activities such as sports or working part-time jobs. The NSF also cites the obsession with social media and the prevalent use of computers, cell phones and I-Pods prior to bedtime as a major distraction for teens, one which prevents them from “winding down” before going to sleep. In addition, during their adolescent years, teens experience a change in their Circadian rhythms often making it more difficult to fall asleep early at night and to awaken early in the morning.

Vicki Abeles (director of the documentary “Race to Nowhere”) and Dr. Abigail Baird, associate professor of psychology at Vassar College report that a lack of sleep among teens can lead to a deficiency in the human growth hormone - which is needed for a teen’s maturational growth including his or her brain development – and has been linked to a greater risk of adolescent depression and anxiety. Lack of sleep and difficulty in waking up are contributing factors to excessive tardiness and absence from school. Experts have also found a strong correlation between lack of sleep (drowsiness and fatigue) and poorer overall health, lower academic performance, poorer athletic performance, moodiness, emotional problems, poorer concentration and slower reaction times.

“Young drivers age 25 or under cause more than one-half of fall-asleep crashes” according to the National High Traffic Safety Administration.

According to Abeles and Baird, equally concerning is the means by which teens are staying...
awake. Many rely on heavily caffeinated or high energy drinks and, in addition, some are reported to be using amphetamines to stay awake - all potentially harmful to healthy growth in adolescent bodies and brains.

The Centers for Disease Control and Prevention refer to the promotion of good sleep habits and regular sleep as “sleep hygiene”. Parents can set the tone for good sleep habits by treating sleep as an essential component to a healthy lifestyle. The benefits of a good night’s sleep should be promoted as much as healthy eating habits and daily exercise (Abeles and Baird).

Teens can help themselves by establishing good bedtime routines and by becoming aware of some of the signs of sleep deprivation in their daily lives such as: having difficulty waking up in the a.m., falling asleep in class, lack of or difficulty in concentrating and feeling moody or depressed. Given the importance of sleep, what can teens do to prioritize sleep and focus on healthy sleeping habits? The NSF offers the following sleeping tips for teens:

- Maintain a consistent bedtime and wake up time, establish a routine before bedtime and keep it constant
- Exercise regularly during the day, but do not exercise, eat or drink just prior to bedtime
- Avoid stimulants such as caffeine late in the day
- Avoid long naps (30 minutes or less) and refrain from napping too late in the day
- Avoid all-nighters – less sleep can hinder test performance
- Create a comfortable sleeping environment (dark, cool, quiet) but allow bright light to wake up by in the morning
- Unwind by keeping the lights low or by listening to soothing music – opt for relaxing activities like reading, taking a warm shower or bath before bedtime
- Avoid stimulating activities such as using electronic devices, watching T.V. or studying right before bedtime
- Get to know your body – find out what works and stick to a routine

If teens are aware of what constitutes good sleep as well as the risks of not getting enough sleep, they will be much better able to stick to a plan that supports sleep hygiene. Help them to re-examine their priorities, reduce any unnecessary activities in their schedules and make room for sleep. Help them to SLEEP SMART!

**Library Media Services**

The library media center has hosted several interesting events in recent weeks of which library media center services has recorded (assisted by Mr. Moger’s TV production students) and made available on line to our school community. Parents are invited to experience some of the events their children are experiencing. Simply click on the link below.

- **National Intent Day Signing Ceremony with Josette Norris and Phoebe Norris** – organized by Bill Jaeger with press, family and friends in attendance
- **The Chinese New Year’s Celebration** – organized by Senior May-Fong Shum and the Chinese Cultural Club open to all students
- **Herbert S. Gold – World War II Veteran** – organized by Leigh Barker with her social studies classes in attendance

More than 300 academic, arts, sport, music, and parental productions can be accessed in the library media center’s on line video gallery here: [http://www.librarymedia.net/VideoGallery/Recent.html](http://www.librarymedia.net/VideoGallery/Recent.html). Many thanks to Mr. Carlos Garcia and his work in making this program available to our school community and beyond.

**Maximizing Space and Resources**

Nearly every Tenafly High School student at some point in the day will be in the high school’s library media center. At times there are well over 100 students within our complex. This year, in addition to books and media, the library circulates laptop computers. The new system of checking
laptop computers out to students has opened up areas previously occupied by permanent desktop computers. This offers students more flexibility and space, enables the library to stay cleaner, and assigns the responsibility of the laptop to an individual, virtually eliminating computer down time. Many thanks go to Jean Rohrbeck, Masako Izu, and Debby Cabrera for their work in this area.

Innovation in the Library
The broadcast and production television facility has enabled students to be innovative and creative. Expanding the library facility in this area enables students to build computer applications (and other things). Yuya Ong (grade 11) is presently engaged in building a programmable information screen that has day, date, time, A or B day, current period, short message and a bell that rings at the end of each period. Yuya has arranged this application to display on a web page with back end programmability. The screen is then broadcast via cable throughout the school to televisions in classrooms. This system aims to enable the entire building to be a synchronized televised clock.

STEM
Science Technology Engineering and Math Classes
Ms. Deschene and students will be attending the Second Annual Teen STEM Day March 21, 2014 at Bergen Community College. Students will take part in hands-on workshops and explore various career opportunities. Her students submitted projects to the Toshiba ExploraVision Competition. They are designing and building bridges for the Engineering Encounters Bridge Design Contest.

Ms. Deschene’s Technical Drawing classes collaborated with Ms. Nagel’s art classes by having students teach each other orthographic projections and two point perspectives, two different complementary skills. One of her students began designing an imaginary athletic pavilion for our high school to be submitted to the Discover Design Competition in May.

Finally Ms. Deschene’s award winning Lemelson-MIT InvenTeam completed alpha prototype model in time for its upcoming Mid-Grant Technical Review and Ms. Deschene received a Certificate of Special Congressional Recognition for her work in supervising students work with Lemelson-MIT.