

Shelton High School

Highlights by Department Quarter 2, 2018-2019

Art

- ❖ The art department participated in the Teen Vision Art show at Sacred Heart University. Nine students from Shelton High Had artwork entered into the show.



- ❖ We had two 1st place winners, Marissa Savino's still life and Bridget Kline's skull head.



- ❖ Work from the **Pottery** classes is on display in the 3rd floor display case.
- ❖ Animals from **Painting** class are on Display in the Main office.
- ❖ The **Drawing** classes have Hallway perspective drawings and **Art Foundations** classes have still life drawings on display on the 4th floor bulletin board. See how the hallways of SHS have been 'reimagined' by our art students.
- ❖ **Drawing** classes designed the new Program of Studies cover. Casey An's design was the winner. You can see her drawing when the new course selection book is available.
- ❖ **Art Foundations** classes participated in the Doodle for Google Contest.
- ❖ **Designer's Workshop** students created a Hygge Quilt. It is a Danish term for well-being and optimism. Mantra beads were incorporated into the quilt.



- ❖ The **Photography** classes created their first collage in Photoshop and also studies Abstract Art.

Career and Technical Education

- ❖ On November 7 Mrs. Huber invited her former student's parent, a banker, to visit with her classes to speak about setting financial goals.
- ❖ On November 12, 16 and 19 Mrs. Huber had a visitor from a major credit union come and speak to the students on Identity Theft and the challenges and risks.
- ❖ On November 12 Mrs. Huber had a founder of a Hedge Fund come and speak to her classes about Hedge Funds and career opportunities.
- ❖ On November 16 Mrs. Huber attended the CSDE Business, Finance, and Marketing Fall Workshop to participate in a project-based learning work session.
- ❖ On November 28 Mrs. Huber had an entrepreneur coordinated through Junior Achievement (JA) come and speak to her classes about starting their own business.
- ❖ On November 29 Mrs. Huber and Mrs. Garrett presented at the CTE State Conference sharing ideas on how to bridge students to their respective communities.
- ❖ On December 7 Mrs. Huber invited her former student's parent, a scientist from a major consumer products company, to visit with her classes to speak about counterfeit products and the impact on a business.
- ❖ On December 20, Mrs. Huber invited a parent in to speak about her role in Human Resources **Gaels Means Business** class in support of the Human resources section of their Business Plan projects being completed in **Gaels Mean Business**.
- ❖ In November as a follow up to a student's project in Homelessness (UCONN ECON), the Project Hope Director came to visit the students and speak to them about homelessness.
- ❖ Mrs. Huber's **UCONN Economics** class explored pharma pricing and the inherent complexities and challenges unique to pharma and the pricing thereof in a free market economy. They addressed topics such as monopolies, government regulation/intervention including price caps, supply and demand, and barriers to entry in this project. As part of the project they analyzed a controversial case in which a life-saving "orphan" drug had an overnight price increase from \$13.50 to \$750 a pill.
- ❖ Mrs. Huber's **UCONN Economics** class explored the challenges and opportunities of big business in the US and determined the pros and cons thereof to the economy and consumer.

- ❖ Mrs. Huber's **Economics** class did a project where they explored a socio-economic issue of their choice, with topics ranging from the depleting middle class to the wage gap to violence in the media. The students will share the projects with the class to broaden and enhance awareness on said topics. The top projects will be presented at the SHS STEM Fair in February.
- ❖ Mrs. Huber's **Economics** class also explored the challenges and opportunities of big business in the US and determined the pros and cons to the economy and consumer.
- ❖ Mrs. Huber's **Investing and the Stock Market** class did a project where they explored a struggling company and the timeline and events that preceded, in most cases, an ultimate Chapter 11 Bankruptcy filing. They analyzed the stock over that said period and that company's "story" of their respective decline. The top projects will be presented in the SHS STEM Fair in February.
- ❖ Mrs. Huber's **UCONN Economics, Economics and Investing in the Stock Market** classes explored the 2008 Recession and the many facets (housing crisis, stock market crash, government intervention).
- ❖ Mrs. Huber's **Gaels Mean Business** class completed and presented their comprehensive Business Plans where they competed with each other to see who might design the best business plan for their respective product or company. They explored various aspects of a company start up including considerations on the opportunity overview, factors influencing demand, market research of their industry and its respective trends, competitors, human resources financing and a growth plan. The students presented their projects at the end of the course. The top plans will be showcased at the SHS STEM Fair in February.
- ❖ Mrs. Huber's **HCC Accounting** class is working on posting transactions from the general journal to the general ledger and on assessing Accounts Receivable. Further they learned about the matching principle and accruals and deferrals.
- ❖ On November 27 Mrs. Huber attended a meeting (Innovative Educators Meeting) with the Superintendent to explore the future of the Innovation Education Program.
- ❖ Sikorsky Credit Union Interns (Allison D., Siddharth J., Zach K., Kindja M.) visited Shelton Intermediate School on November 26 and 27 and spoke to the students regarding Financial Literacy. In addition these interns assisted at the Financial Literacy Fair at Ansonia High School.
- ❖ **Marketing I** students collaborated with **Video Production** students on digital marketing for the campus signage in the lobby and cafeteria. Students collaborated on the elements of successful digital promotion.



- ❖ Marketing and Business Students collaborated with Whitson's Food Service by performing taste testing and collecting marketing information data in our cafeteria.

- ❖ Hannah Perry, Shelton resident, parent and owner of The Giggling Pig in collaboration with JA, shared her inspirational story as an entrepreneur to our business and marketing students.
- ❖ **Marketing I** students and DECA members collaborated with Paul Mitchell School guest speakers on the planning and preparation of our upcoming “DECAdent” Fashion Show being held February 7 in the SHS auditorium.
- ❖ Business Teachers Lisa Huber and Pam Garrett presented at the CTE annual conference on ‘Innovative Community Partnerships for Students’



English

- ❖ Grade 9 students read various personal narratives and analyzed the author’s use of narrative techniques to enhance writing. Students in Mrs. Danielski’s class composed personal narratives in conjunction with exploring techniques present in independent books chosen based on interest and Lexile.
- ❖ Grade 10 students produced and presented original, creative, and symbolic interpretations of novels read in class. Mr. Kovach and his honors students explored the process of creating engaging and effective visual presentations through a film project for *Macbeth*.
- ❖ Grade 11 students worked on the Alienation unit and read *Catcher in the Rye*, *Ordinary People*, or *Death of a Salesman*. They also completed critical analyses and narratives in conjunction with the texts. Students in the AP classes continued studying rhetorical techniques and strategies and put them into practice in their writing.
- ❖ Grade 12 students created their own utopias through group discussion and journal writing. They also read various dystopian texts such as Ray Bradbury’s *Fahrenheit 451* and George Orwell’s *1984*. Students also created Power Point presentations synthesizing elements from these fictional dystopias to our society. Finally, students analyzed multiple literary elements through critical essay writing.
- ❖ On December 13, thirty-six members of Mrs. Webster’s **Journalism** and Ms. Coffin’s **Yearbook Journalism** classes were inducted into the *Quill and Scroll Journalism Honor Society*.



Guidance

- ❖ Administered the Armed Services Vocational Aptitude Battery (ASVAB) to interested students.
- ❖ Recognized the achievement of students at the First Marking Period Awards Recognition Breakfast.
- ❖ Sponsored on-site admissions for Southern Connecticut State University.
- ❖ Presented a Junior College and Career Planning lesson to all 11th grade students.
- ❖ Presented a score interpretation and career interest inventory lesson for students participating in the ASVAB program.
- ❖ Hosted Grade 8 Open House for all incoming and new students and parents.
- ❖ Presented a PSAT Score Interpretations lesson for all grade 10 and 11 students.
- ❖ Introduced Khan Academy to grade 10 students and linked PSAT scores to create an SAT study plan.

Library/Media

- ❖ The Makerspace area has been focused on connections. The students built different kind of bridges out of K'nex. They have also been building an amusement park out of K'Nex! The Makerspace now has a roller coaster, ferris wheel and a swing that all work using motors and gears. The Makerspace activities that focus on a Habits of Mind for December focused on empathy. Students have made no sew blankets that they will be donating to a local homeless shelter. The December book focus in the maker space was on holidays and cooking around the world. January's book focus has been on coding and healthy eating.
- ❖ Michele Piccolo did activities on coding with students during the month of January. Some student came to the computer lab to work on a program called Codecombat. Codecombat is a program where students write lines of code to make a video game work. Other students used the ozobot robots to move using lines of code. There is also a small robot called a Wonder Robot that students can use to do simple activities like shooting a plastic ball.
- ❖ The Media Specialists continue to work with the *Modern World History* classes. These lessons showed them how to use the ResearchitCT website to look up information from a credible source. They also played a game called Factitious where they were challenged to look at an article and tell if it was "Fake News". The freshman also loaded EasyBib as an

Add On so that they could access it from a Google Doc and discussed what MLA format was.

Math

- ❖ Over 100 students in grades 9-12 have signed up to take the American Math Competition 10 and 12 exams. Students will be competing against students across the country for scholarships and additional academic opportunities.
- ❖ Students in **Programming I** were able to write a program that allows a person to play rock, paper, and scissors with the computer. Students worked collaboratively in groups and the programs also tallied up the number of wins, losses, and ties in the game. This project combined students' knowledge of loops, if statements, switch statements, and Booleans. Students in programming also created applets using Java. Students were able to draw snowmen, and use a random generator to create 100 different circles.
- ❖ Students in **Probability and Statistics** completed a unit on probability, and probability distributions. They can determine the number of outcomes using counting techniques, such as combination and permutation formulas.
- ❖ **Sports and Statistics** students compared players and teams to determine who was the greatest of all time. Students compared LeBron James and Michael Jordan, the 1986 Lakers versus the 2008 Celtics, Magic Johnson versus Steph Curry, and the 1996 Bulls versus 2016 Warriors.
- ❖ **Sports and Statistics** students used their study of Z-Scores to make predictions for the NFL playoffs. Each student used a slight variation, but the version the class created together correctly predicted the conference championship games!
- ❖ **Geometry** students explored quadrilaterals using hands-on creations alongside an interactive web version using Gizmos.
- ❖ In December, Mr. Tucker took fourteen students on a field trip to Wesleyan University for the annual Inquiry-Based Statistics final exam project presentations/evaluations and campus tour.
- ❖ **AP Calculus** students have moved on to unit 5 of 7 in preparation for the AP Exam. Students are recognizing the relationship between integration and differentiation, the "last" of the inverse operations learned by math students.

- ❖ **AP Statistics** students have more than half way through the AP curriculum. They have run simulations to model a sampling distribution, run mock experiments including taste testing bottled versus tap water in order to see the 4 principles of experiments at work and have refined their skill set to become better mathematical communicators.
- ❖ **Algebra I** students have been working hard on learning how to write, graph and solve linear equations of all types. Additionally, they have been working on summarizing both univariate and bivariate data.

Music

- ❖ Flutist Karina Friend successfully auditioned for the Western Regional Music Festival held at Darien High School. Students from the Fairfield County high schools audition for this prestigious group and these successful premier musicians perform together with a

renowned guest conductor. Karina is also a member of the Greater Bridgeport Youth Orchestra and was selected to the CMEA all-state band.

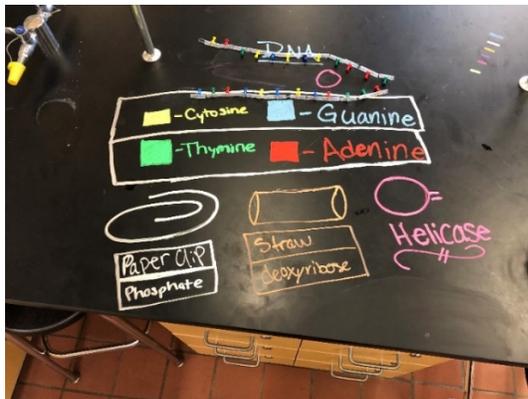
- ❖ The Band and the Choir held their Winter Concert on January 16.
- ❖ Winter Percussion and Winter Guard have been practicing for their upcoming season.

Physical Education

- ❖ Approximately 125 students in Mr. LaPorta and Mr. Kymer's **First Aid** classes are now certified in CPR/AED/First Aid, after successfully completing their practical and written exams.
- ❖ Members of the U.S. Marine Corps came to our Physical Education classes and taught the students about the Marine lifestyle and instructed the students through exercise routines.
- ❖ Students performed the Connecticut Physical Fitness Testing for the second time this school year.

Science

- ❖ Students in **Biology** classes extracted DNA, constructed models of DNA and then expanded their knowledge of DNA by modeling the processes of replication, transcription and translation.



- ❖ Students in Mr. Goddard's **UCONN Physics** class, went caroling, but put a twist on the songs, by having them relate to science concepts.

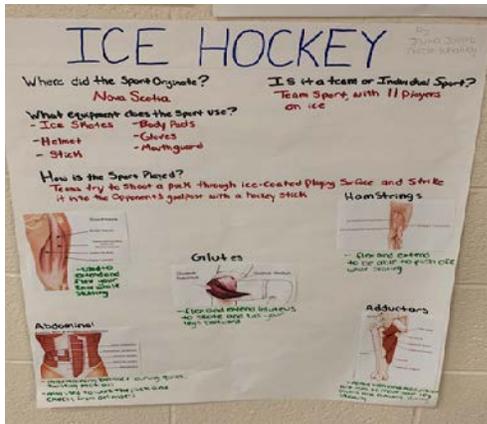


- ❖ Students in Ms. Cotnoir's **Chemistry** classes applied their knowledge of ionic compounds by growing crystals in the lab. These crystals were used to make holiday ornaments.



- ❖ Students in Mrs. McNamara's **Fundamentals of Health Science** are wrapping up their 14-week rotation at St. Vincent's Hospital. Students been shadowing preceptors ranging from PA's, RN's, PCT's, and CNA's. They have been busy practicing taking vital signs, transporting patients, and running samples to the lab. Students have had an amazing experience and have seen things such as the insertion of IVs, PIC lines, chemotherapy infusions, wound care, physical therapy, and one student even witnessed a live birth! They have moved on to their second semester rotation at Lord Chamberlain Rehabilitation Center after midterm exams.
- ❖ Mrs. Presutto's **Conceptual Chemistry** students participated in a "Living Periodic Table" activity. During this activity, students were assigned an element on the periodic table, asked to take on the role of that element, and share all relevant information regarding the element. Shared information included elemental properties and periodic trends. The information provided students with an in depth insight into each assigned element, allowing students to gain a better understanding of the elemental information contained within the periodic table.
- ❖ SRO Officer Ken Giangregorio visited with Mrs. Presutto's and Ms. Festini's **Forensic Science** classes to share his expertise on fingerprinting techniques. During his presentation, Officer Giangregorio was able to incorporate his knowledge of fingerprinting, as it pertained to law enforcement, and explain how it related to cases he worked on as a police officer.
- ❖ The Science Club, working with "Trout In The Classroom", welcomed the latest batch of trout eggs. Since 2013, the Shelton High School Science Club has hatched, raised, and released over 600 trout into Shelton lakes and streams. The "Trout In The Classroom" program is an environmental education program promoting conservation ethics that foster an appreciation of water resources and the value of healthy ecosystems.
- ❖ Mrs. Rivera and Mr. Staples's **Anatomy and Physiology** classes created full body skeleton posters this semester. These projects demonstrated the student's knowledge of the skeletal system while drawing their projects "free hand" and to scale. Students enjoyed this because it gave them a chance to personalize their posters by drawing half of their skeleton with their chosen theme. In addition, the staff was invited to vote on the "Best Overall' Skeleton.

- ❖ **Anatomy and Physiology CP** students in Dr. Rivera's classroom designed a poster based on a winter Olympic sport. Students had to identify muscle groups key to the sport and describe how each muscle moved using specific terminology.



- ❖ Mr. McDougal's **AP and CP Environmental Science** classes researched and designed poster presentations on where their food comes from. Students researched growing, packaging and shipping of various foods as well as the environmental and health issues that arise as this process proceeds. The process began with the source of the food (geographically and ecologically) until it reaches the consumer.



Social Studies

- ❖ **Civics and AP U.S. Government and Politics** students had lunch with a Federal Judge and attended a U.S. Naturalization Ceremony
- ❖ Shelton High School hosted a Veterans Day Breakfast and Veteran Panel Discussion with veterans and students. Students also sent out Thank You cards to thank our Veterans for their service.
- ❖ **UCONN Macroeconomics** students presented projects forecasting the economy and supporting their recommendations for fiscal policy. They are also preparing for the Federal Reserve Bank Challenge on monetary policy.
- ❖ **Sociology** students took part in an Industrial Revolution project on inventions. They presented the impact and influence the invention had on today's society.
- ❖ **Cultural Anthropology** students conducted research on specific cultural groups. Students explored the history, language, clothing, food, religion, and music of various groups and presented their findings.

- ❖ **U.S. History** students researched and participated in a project and presentations on American Industry.
- ❖ **Modern World History** classes collaborated with the Media Center staff on research skills.
- ❖ **Modern World History** students completed a project on Enlightenment Philosophers and presented their findings to their peers.
- ❖ Students participated in round table discussions to explore current events and enjoyed learning and talking about the complexities of current world issues.
- ❖ Junior Statesmen of America attended the Fall State Convention in Providence and has been preparing to attend Winter Congress in Washington D.C.
- ❖ Mrs. Burgholzer and Mr. Allan attended Teachers' Law School Day Workshop at the Connecticut Association of Schools.
- ❖ **Geography** students completed World Showcase Projects
- ❖ Social Studies students attended a lecture on Alaska's history and culture.

Special Education

- ❖ **Career Explorations** students began creating fire starting bricks out of shredded paper.
- ❖ **Survey of Algebraic Topics** students completed a sunburst one-step equation project.
- ❖ **Consumer Math** students will continue with food shopping and determining unit prices as they create their own menu plans and shopping lists.
- ❖ In December, the functional academic students went to the Downtown Cabaret to enjoy a live theater performance of The Christmas Elf. In January, the functional academic students went to the Discovery Museum and explored hands on exhibits and STEM activities.
- ❖ Adjusted **English** classes competed in a week of "Reindeer Games" before winter break. Students worked in teams, using reading strategies to solve riddles, rebuses, and codes. Other stations included word games related to figurative language and parts of speech.
- ❖ The **Health, Safety, and Physical Fitness** class focused on personal hygiene and wellness this quarter. Students learned about the differences between the cold and influenza as well as common symptoms of illness/injury and what to do about them.
- ❖ **Math for Everyday Living** students learned about personal finances. Students reviewed how to add and subtract monetary amounts as well as learned how to calculate gross pay including overtime wages.

World Languages

- ❖ Students in Mrs. Conklin's classes learned about Three Kings Day and made shoes to leave out in the hopes that the kings would come and leave them treats- and they did!



- ❖ Students in **Spanish III** learned how to give directions around a city or town. They applied their knowledge by creating a treasure hunt around the school with turn-by-turn directions leading others to a secret destination.
- ❖ Students in Mrs. Conklin's **Spanish II** classes picked the brain of former SHS student Edward Peluso, who studied abroad in Argentina, to find out more about what life is like in Argentina.
- ❖ **Spanish II** students learned to give advice and say how they feel.
- ❖ **Spanish II** students described clothing and made their own fashion line of clothing.
- ❖ The French Club celebrated Frenchgiving with a full spread made by French club members and collected non-perishables for the food bank. They also celebrated the holidays with a beautiful buche-de-noël (yule log cake).



School-wide information:

- ❖ Juniors and seniors continue work on their Capstone projects. They submitted their second journal entry and continue their fieldwork.
- ❖ Mr. LaPorta retrained the AED/CPR Response Team.
- ❖ Parent conferences were held on November 29.
- ❖ Cristina Chirsky and Clayton O'Brien were recognized at the Connecticut Association of Public Schools Superintendents dinner on December 6 for their community service, service to others, academic prowess and leadership.
- ❖ The Drama Club held Adaptations on December 6, 7, and 8.
- ❖ Dr. Smith presented new courses, revised promotion requirements and Class of 2022 graduation requirements to the Board of Education Teaching and Learning and Policy Committees on December 11.
- ❖ Mrs. Zampano and Dr. Smith trained 33 Student Ambassadors on January 7. They participated in leadership training and designed their t-shirts. These students will assist visitors to the building, new students and at major school functions.