



What's Happening?

Ions, Geigers, and Squares...Oh My!!

More and more students are taking science electives as

they look to round out their high school experience. The science department has therefore answered that call with increasing the number of and the rigor contained in these classes. With no exception to this, is the marine biology course which even Jacques Cousteau would be impressed with. Science teacher Erica Gregson, has combined her love of teaching with her love of zoology to make this course a success for all students.

As a culminating project to the plankton lessons, students were tasked with inventing plankton using various materials in order to model real plankton adaptations. Students first learned of the characteris-

Reinventing Cousteau

tics of plankton, and how these help the plankton survive. One of those key components is the plankton's ability to ballast itself to be in the 'right' spot in the water column. It can neither float too high or sink too low, or else its chances of survival will be compromised. Therefore students encounter their first challenge to this project, in that they had to get their invented plankton to actually float at the appropriate depth. As the students worked in their groups, trying to ensure that their plankton would survive, they soon discovered their next challenge. Many of the groups contained French Exchange

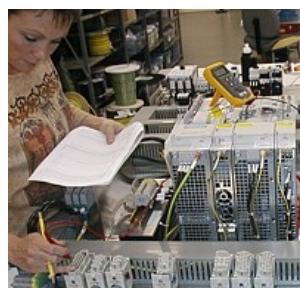
students, and the language barrier seemed to stump the students more than the floatation challenge. But like many good international scientists, the two groups of students discovered ways

to effectively communicate using their best problem solving skills. This communication problem was first discovered when the group realized that there is not a direct French translation for 'Syran Wrap' which was a key component to the group's plankton model. Through the use of pictures and descriptions, the students discovered how to effectively communicate in order to complete the task. Although the project was assessing the students ability to use their knowledge of plankton and marine environments, the students learned more transferable lessons in commutation and problem solving. And although there is an Atlantic Ocean teaming with Plankton that will separate these students, the skills that they learned together will forever bond them as they continue their pursuit of science.



Good Neighbors Build Good Relationships

BSI



October 7th marked the start of NH Manufacturing week, in which local industry opened their doors to high school students. 27 students from TRHS engineering classes eagerly took advantage of this opportunity. These students

visited TRHS-PLTW partner Beckwood Services of Plaistow to see a world class manufacturing facility in our own 'backyard'. These students were amazed that such a facility existed here and were even more amazed to see

the amazing work being done. Beckwood staff gave the students an informative tour of the facility as well as the confidence in high quality local manufacturing. Many of these students are interested in a career in high tech manufacturing and were relieved to learn that they may not have to travel too far to achieve this goal.

Oh the Humanities! The Greenhouse Quartet

Attend any important ceremony or event at Timberlane and you are bound to see and hear the Timberlane Honors Quartet playing in the background. Informally known as the "Greenhouse Quartet," they have been featured at school board meetings, AP Art unveilings, the "Star Party" and at last year's "Eddies" when our own Mr. DiBartolomeo was named New Hampshire Music Educator of the year.

This year's members: Amy Clark and Aurora Sidor, violins, Siobhan Sheehan, viola, and Brynn Grambow, cello, are especially excited to be

working on Brynn's Physical Theater piece, "An Eternal Affliction." The piece is about the emotional struggles that one man faces and ultimately overcomes. The music Brynn has chosen for the quartet to play as an accompaniment to the theater piece is Shostakovich's Quartet Number Eight, a piece which reflects Shostakovich's own struggles with despair. The work is on the docket for a February performance.

Said Mrs. Pajak of these young musicians, "they are a delight to teach, each is extraordinarily dedicated to the music program and always looking for new musical

challenges; I can't wait to see what they do next."



Seated from left to right: Amy Clark, Aurora Sidor, Siobhan Sheehan, and Brynn Grambow

Bringing the Dead Sea Scrolls to Life



On October 16, students traveled to the Museum of Science in Boston to view a very special exhibit of the Dead Sea Scrolls. This was an extremely rare opportunity to view ancient artifacts from Israel, featuring scrolls which included the oldest known copies of the Hebrew Bible and several never-before-seen scroll fragments. Students from different disciplines, including Mrs. Deyermund's Advanced Placement

English class, Mr. Hunter and Mr. Richman's Advanced Placement World History classes, and Mr. Dube's World History class, found common ground as the exhibit was presented as a historical event as well as the basis of ancient literature. Students were able to show connections, causal and otherwise, between particular historical events and larger social, political, and economic develop-

ments. Students were able to examine these primary documents, understand them in the context of their time, and decipher the meaning and role of these ancient documents in the modern world. This was an excellent opportunity to see how diverse disciplines intersect and for students and teachers to share knowledge across content areas. For many of the participants, this was a once in a lifetime experience.

The TRHS Writing Lab

The TRHS Writing Lab is a hub of activity and an invaluable resource for the students and teachers at the high school. Since September, 136 classes have visited the writing lab. In addition, over 700 individual students have utilized the services of the writing lab during their study hall periods or after school. These students and classes are accessing the lab for essays, creative writing,

poetry, research, reflections/reviews, film making, power point projects, and more. Mr. Taylor Roccapriore, our writing lab instructor, is kind, friendly, and approachable. Students are comfortable sharing their writing with him. In the past two weeks alone, Mr. Roccapriore has conferenced with over 30 students about their writing. These conferences are a great, judgment free and

grade free way for students to get feedback from an experienced writer. Additionally, we are certainly leaving the pen to paper generation, and the writing lab is an important physical space for 21st century learning to take place.



What's Happening?

Stick Your Nose In Our Business

Budget Challenge

Students in the Personal Money Management classes began a personal finance simulation called Budget Challenge on Friday October 11th. The program is designed to give students a “learn by doing” approach which will foster life-long financial habits and help with relevant skills. Budget Challenge is operated by ProperLiving, LLC which has been conducting the simulation for the last six years and uses feedback from each simulation to improve from year to year. Students are given a job with a defined and pay schedule, and given choices of different service providers, checking accounts to use, and choice of 401K deductions. Students will receive statements and have to pay their bills and try to save money into their 401K. Students' scores are ranked in the class and are able to compete against other students throughout the country. Budget Challenge recognizes that managing money involves many personal and value-based choices and does not attempt to influence these choices. Budget Challenge only tries to show the consequences of choices made.



Typography

Students in the Graphic Design course are studying typography. Specifically, the anatomy of the letter forms, typeface classifications, and what unique characteristics the different fonts have to make them stand out from one another.

The students were asked to choose a positive quote that they found inspiring. They utilized Adobe Illustrator to experiment with different fonts that related to the feel of their quote. Students were very surprised by the quantity of problem solving skills that



were required to be successful.

They needed to first choose a font or a series of fonts, and then find the appropriate font size to fit the board they would be painting on and experiment with different colors for the text while keeping in mind that a sign is meant to be read from a distance. The students were encouraged to not just write the text out as one long sentence but to play with the words through overlapping, varying their size, and or their

placement. We then used carbon paper to transfer the type onto the boards and finished by painting with acrylic paint. Painting on the wood was a unique challenge for the students as the surface is not smooth; the barn boards have cracks, holes, and a few bugs.



Owls Club

Every Thursday the Gourmet and Baking class prepare and serve a three course meal that they created for the staff at Timberlane High School. Some of the dishes this year have been chicken teriyaki with spring rolls,

rolled lasagna with ratatouille, green tea cake with cream cheese frosting with a drizzle of honey, black forest cake, and blueberry pie. On Thursdays they students transform the class room into a restaurant. The class is operated as a restaurant and students have responsibilities such as host, server, cook, and clean up. Staff can

either have a sit down lunch or place an order for takeout. Stop by any time for lunch or takeout during the second half of 5th or all of 6th in room 402!

