



The Artisan Report

Preparation • Passion • Perseverance

June 11, 2019

Career and Vocational Principal Report.....

Engineering Technology

Greater New Bedford Regional Voc-Tech's South Coast Scuba Program

Students in the SCUBA Cohort graduated on March 29th in the Michael Shea Student Forum. The South Coast SCUBA students earned their initial SCUBA credentials through an 8 week classroom and pool program. Students met at least one time per week in a classroom setting to learn the material which includes learning about breath, depth, physical conditions, and standards for underwater activity. Students also engaged in at least six pool sessions which consists of conditioning to improve overall fitness and learning diving skills, including free diving in preparation for open water diving. Students learn to dive to a depth of at least 60 feet. The students have the option to earn their Open Water Certification when the water temperature warms up in the late spring.



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On April 2nd, GNB Voc-Tech hosted a panel of four faculty and six students from the College of Engineering at the University of Massachusetts Dartmouth. Dr. Raymond Laoulache, the Associate Dean of the College of Engineering, said the visit to GNB Voc-Tech “was the first of its kind towards building a networking partnership” between UMass Dartmouth and Voc-Tech. During the panel, the UMass students presented their senior capstone projects to all four grade levels of engineering students in Academy D. These projects, which are a culmination of everything the undergraduates had learned, were related to Bioengineering, Civil Engineering, Computer Science, Electrical Engineering, Mechanical Engineering, and Physics. Additionally, the professors in these areas presented a general overview of their curriculum to show off the many facets of engineering. Afterwards, the panel had a Q&A session with the Academy D students, answering questions on everything from the curriculum to living on campus to general college life. Following the panel discussion, the representatives from UMass Dartmouth toured the Senior Engineering and Robotics shop where students were able to showcase their senior capstone projects. The Engineering and Robotics students and staff would like to thank Dr. Larkin for organizing the event.



Engineering and Robotics senior, Andrew Sullivan had a busy day in Worcester on April 11th. He spent the day at WPI as one of the co-captains of the New England FIRST Robotics Social Media Team, and at night he was honored at Mechanics Hall at the Massachusetts Outstanding Vocational Students event held by MAVA.



Machine Technology

General supply has generously given three \$100.00 gift certificates to give our senior students. They can be used in their store for tools.

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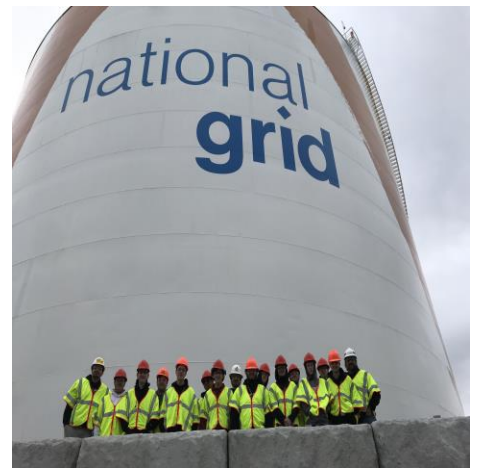
Media Technology



Students in the Media Technology and Visual Design career majors had the opportunity to learn about the Art and Communications programs offered at Bridgewater State University. Ms. Ivana George, Associate Professor of Art, spoke to the juniors about various art concentrations at the university. Admissions Director, Mr. Todd Audyatis, discussed the college admissions process used by Massachusetts state schools. Students were able to ask questions about careers in the arts and the importance of college internships. Professor George also shared a virtual tour video of art classrooms and studios at Bridgewater State.

Stationary Engineering

The **Stationary Engineering** junior class was able to visit National Grid's LNG (liquid natural gas) plant on May 10th which is located in Dorchester, MA. The plant is at the end of a 200 million dollar upgrade of the facility including new boilers and vaporizers. National Grid supplies natural gas to the city of Boston during peak times of use. The students were able to get a close look at the LNG tank and get a better understanding of the purpose the plant serves to the city of Boston. The students also were able to see what the daily operations consist of to operate such a large facility. National Grid continues to employ co-op students from the Stationary Engineering program.



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Visual Design

Four Freshman Visual Design students participated in the 2019 Congressional Art Competition: Sara Medeiros, Arianna Stevens, Bianca Neno and Abbey Grundy. All four students received a letter from our United States Congressman William R. Keating letting them know that their work will be displayed at Plymouth Center for the Arts. The students and their families were also invited to the Reception held on April 26, 2019.

Welding Technology



Welding Technology teacher Steve Flowers was presented with the Howard Adkins award for exceptional teaching in the Welding Technology field, by the American Welding Society.

Academic Principal Report.....

Science Department

Biology teacher Brooke Fatula was selected as the recipient for the 2019 Ecology Project International Teacher Fellowship in Mexico and traveled there in March. This fellowship involved an 8-day intensive course using inquiry-based instructional methods through hands-on learning initiatives and field research. The first part of the class took place doing field studies on a boat and the rest on the beach and local area. The program is based on the 5 E's instructional model which is engage, explore, explain, elaborate/expand, and evaluate. She will work with the department to incorporate some of these lessons into the Biology curriculum. Further information can be found at www.ecologyproject.org



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The senior Biotechnology students along with teacher Scott Atkinson participated in a lecture given by Dr. Jamie Karmel who is a scientist from Amgen. She talked to the students about her own career in Biotechnology and about what you can do with a career in Biotechnology. You can find a fantastic article written by our students about the presentation on our website: <https://www.gnbvt.edu/amgen-presentation>



Math Department

The results from the most recent MCAS retests are in and all but two members of the class of 2020 have passed MCAS Math.

For the 3rd year in a row, the Math Department administered a Mock MCAS exam to the 10th grade students in the month leading up to this year's MCAS test. Results of the exam were thoroughly analyzed and provided Math Strategies and Geometry teachers with critical data to inform their instruction and target their review sessions.

The 2018 Math MCAS was administered May 21st through the 24th culminating year-long efforts of the Math, SPED and Academic Support Departments to improve outcomes for our students. Thank you to all who assisted with planning, proctoring and monitoring the MCAS exams and for your patience with the disruption to student schedules during the extra-tutoring sessions.

On June 19th, 20th and 21st, members of the Math Department will work with Jenny K. Tsankova, Associate Professor of Mathematics Education, Roger Williams University to discuss future updates to the Geometry curriculum.

For the third year in a row, GNB Voc-Tech students participated in Advanced Placement Math exams offered through the College Board. A total of 35 students (up from 6 in 2017) recently completed their AP Statistics examinations. As of this writing, 62 students have chosen AP Statistics for the upcoming school year.

On June 24th – Greg Haley – Math Department Head – will be attending a G-Suite for School Administrators and Leaders conference offered through EDCO Collaborative in Bedford, Ma. This session is geared toward school administrators who work in districts where Google is the preferred tool for creation and collaboration.

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For the second summer in a row - AP Statistics teacher, Mr. Matthew Mitchell will be attending the Mass Insight Education: 2019 Summer Institute (July 29th – August 2nd) at Bridgewater State University. The summer institute is a comprehensive, five day training for Advanced Placement teachers. Founded in Boston in 1997, Mass Insight Education (MIE) is a national nonprofit at the forefront of education reform. It is dedicated to improving student achievement and increasing college success through bold district restructuring and rigorous academic programs. To close the achievement gap and prepare the leaders of tomorrow, MIE inspires students to go to college, and gives them the academic tools and training they need to thrive and earn a degree. Now in its tenth year, the Summer Institutes have quickly become the leading professional development summer program in Massachusetts, with nearly 600 Advanced Placement (AP®) and Pre-AP teachers expected to attend this year!

On Thursday August 15th – Jessica Thompson, Mike Snow, Micaela Shea and Shannon McGuire will be attending MassCUE’s Googlepalooza event which is a full day of G Suite for Education (formerly Google Apps for Education) hands-on workshop taught by experienced Google Certified trainers and Educators to promote better learning in the classroom. Participants will have a choice between presentations at varied ability levels – all covering a wide variety of G Suite tools, devices (Chromebooks, iPads, Android Tablets), teaching strategies, and implementation.

The Math Department appreciates the districts willingness to provide funding for these important professional development events and seminars.

Social Studies Department

Governor Baker Signs Bill to Promote Civic Education for Students: On November 8, 2018 Governor Charlie Baker signed Chapter 296 of the Acts of 2018 a law to promote and enhance civic engagement and support the implementation of the new history and social science framework. The new law includes a provision that requires each public high school provide not less than 1 student led, non-partisan civics project consistent with the History and Social Science Framework for each student. The law also authorizes a Civics Project Trust Fund to assist with implementation particularly in underserved communities. In addition the law promotes youth membership on municipal, boards, committees and commissions by the Secretary of State and a non-partisan high school voter challenge to be established by the Secretary of State in consultation with DESE. Commonwealth schools are expected to have their student led Civics Projects ready for implementation for the 2020-21 school year. Social Studies Department Head Brian Patnaude will be attending the DESE sponsored Civics Literacy Conference held in June 11th at the Edward M. Kennedy Institute to gain greater insight on the laws impact and ideas for implementation.

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