

North Penn High School Engineering Academy Seniors Present at Philly Materials Day @ Drexel University

North Penn High School Engineering Academy, Engineering Design and Development
The Future is N.E.A.R. (Nanotechnology Education and Research)

Philadelphia, PA - February 1, 2020

What is Materials Science and Engineering? What is Philly Materials Day?

On Saturday February 1, 2020, Drexel University, in partnership with the University of Pennsylvania, Boeing, Arkema, Johnson Matthey, The Franklin Institute and the Science History Institute held their 10th annual Philly Materials Day celebration.

This year, North Penn High School Engineering Academy seniors: Thomas Campbell, James Carnal, Jake Chaffin, Srikrishna Chakravarthi, Logan Ely, Trey Evangelisto, Amanda Greaney, Conor Hanrahan, Elliot Hong, Nasif Islam, Tae Kim, Alisha Naik, Mit Patel, Sidd Poreddy, Tori Quinn, Lucas Ratson, Brian Toto, and Jaden Weed, presented hands-on demonstrations of the materials science principles of their research to thousands of visitors in the Bossone Research Center at Drexel University from 10am to 3pm.

The students' research endeavors, made possible by generous grant funding from the North Penn Educational Foundation, encompass topics ranging from synthetic photosynthesis, carbon capture, advanced wound dressings, thermoelectric energy efficiency and piezoelectric energy harvesting.

The students shared their research with visitors of all ages and had the opportunity to network with the other presenters from Drexel University, The University of Pennsylvania and local businesses. This opportunity has also helped the students to prepare for their final Nanotechnology and Engineering Research Symposium to be held at North Penn High School on Thursday, May 28, 2020!

The Future is N.E.A.R. (Nanotechnology Education and Research) program, which parallels the senior capstone course, EDD (Engineering Design and Development), of the North Penn High School Engineering Academy, offers its students an opportunity to gain 21st century skills that will prepare them to become successful leaders in a technological global society. The program introduces the fundamentals of nanotechnology, engineering research, and a rigorous application of their knowledge and skills to high school students while cultivating their interest in engineering, problem solving and life-long learning. Students seek opportunities to research & develop solutions to global issues by capitalizing from fundamentals of nanotechnology and materials science and engineering research utilizing the latest published research available.

If you are interested in learning more about their research, the Engineering Academy, or the Technology and Engineering Education Department, please visit their websites: www.northpennengineering.org or www.thefutureisnear.org