

NORTH BERGEN SCIENCE

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HIGH SCHOOL SCIENCE NEWSLETTER



Welcome! My name is Jared Keshishian and I am the District Supervisor of Science for the North Bergen School District. This year the High School Science Department decided they wanted to not just teach the important

fundamentals of all sciences, but instead inspire and introduce our students to the science they see on popular TV programs and everyday uses.

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The Science of today is the technology of tomorrow. – Edward Teller

NORTH BERGEN STEPS UP, IT'S SCIENCE GAME

There is a bigger and bigger push for Science, Technology, Engineering, and Math (S.T.E.M.) and as the news is quickly spreading, our S.T.E.M. Academy started this year. The High School Science Department decided they wanted to up the ante and introduce new, fresh, and popular science electives for the 2015-2016 school year.

The courses are as follows:

- Forensics
- Preparation for Health Care Science
- Nutrition
- Astronomy
- Marine Biology

CONTINUED

Why These Courses:

It's very simple! Our faculty at N.B.H.S. has a passion for science and each has their particular favorite. The teachers decided they wanted to share their enthusiasm with the students. Not to worry though, the classics and foundational classes come first so students can be successful in their electives and possibly even their new career.

Preparation for Health Care Careers:

This course is structured to first teach students the language of medicine through medical terminology and then, introduce them to the knowledge, basic life

support, ethics, and different careers in the allied health programs in college. This class will either inspire or deter students in pursuing a health career before they enter higher education and waste money on a career they may not be mentally prepared for.

Marine Biology:

Who doesn't love the beach or water! Two amazing bodies of water surround us in North Bergen with the diversity and wonderment of life in both the Hudson River and The Meadowlands. How are they connected? Some say space is the final frontier but we know more about the moon than we do our own oceans. Cont pg 3



"Nothing in life is to be feared. It is only to be understood."

Marie Curie

NJIT Manufacturing Conference



NJIT Campus

Below is an email we received from the manager of the conference about our S.T.E.M. students.

Gentlemen,

I had the distinct pleasure of meeting thirteen outstanding young people from the inaugural class of the North Bergen STEM Academy on Monday, September 28.

I am the manager of the New Jersey State ManufactureNJ Talent Network, which is hosted by NJIT. We had an important kickoff event for Manufacturing Week at NJIT which was

NJIT Manufacturing Cont.

broadcast over Manufacturing Talk Radio. There were over 100 attendees including prominent state officials from the NJ Department of Labor and Workforce Development, manufacturing industry leaders, and educational leaders from throughout the state including President Joel Bloom of NJIT.

I had the pleasure of introducing Stephanie Stern to the assembly. Stephanie said a few words about your outstanding program and then introduced your fine students. Needless to say, the applause they received was both loud and heartfelt. I arranged for an NJIT campus tour before your students returned to their campus.

Gentlemen, it is far too seldom that students attend events such as this. I want to extend my thanks to Stephanie, her team and to each of you for sharing this group of fine young people. It was a wonderful morning.

Sincerely,

Michael A. Marchetti
Manager
ManufactureNJ Talent Network

Science Game Stepped up

Forensics:

This course is geared toward allowing the student first hand, to learn to think just like a CSI agent. Their labs for example: blood spatter, bullet striations, and many more educationally purchased kits train the student to hypothesize and determine who committed the crime. This class was created in response to the curiosity of our students always talking about CSI. We at North Bergen wanted to sow them exactly what it truly means to be in the field of forensics.

Nutrition:

It never hurts to learn about proper nutrition. With more and more emphasis to live a healthier lifestyle, this class allows students to learn about their body's metabolism, digestion, and what is needed to keep the human body performing at its peak.

Astronomy:

The Final Frontier is exactly why this class was crafted. Generations have been fascinated with space especially those that lived during the space race. This class will ignite the passion for the great unknown

Do you Want to Get Involved

Here at North Bergen, we are always looking for ways to increase the educational opportunities for our students.

If you have any resources for donations, a company that is S.T.E.M. related, would be willing to be a guest speaker, or maybe you have intern opportunities for our students at your companies, Please reach out to Jared Keshishian at Jkeshishian3@northbergen.k12.nj.us
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