



# North Hunterdon-Voorhees Regional High School District

*“Providing Success For All Students”*

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The North Hunterdon-Voorhees Regional High School District is pleased to announce the addition of the Project Lead the Way (PLTW) Engineering Program to its curriculum offerings in the Technology Education Department. Beginning in the 2017-2018 school year, students will be able to take Introduction to Engineering Design, as the first course in the four-year PLTW sequence of courses.

### Courses in Project Lead The Way (PLTW) Engineering Program

The four-year sequence of Pre-College Engineering Courses will be as follows:

- Introduction to Engineering Design, 2017-2018 school year
- Principles of Engineering Design, added in 2018-2019 school year
- Digital Electronics, added in 2019-2020 school year
- Engineering Design and Development, added in 2020-2021 school year

The Introduction to Engineering Design course will be offered at the Advanced College Preparatory Level, and subsequent courses will be offered at the Honors College Preparatory Level and weighted accordingly. The PLTW program is open to all current 8<sup>th</sup> grade students and high school students, however, please note that college opportunities, such as scholarships, will only be offered to students who complete at least a three-year sequence of courses.

### Why Project Lead The Way

Project Lead the Way (PLTW) is a nationally recognized pre-engineering program, consisting of a series of courses designed to give students a sound foundation in engineering. As a nationally certified PLTW school, students who 1) complete at least a three-year sequence, 2) pass the end of sequence PLTW national test, and 3) earn a passing grade of an A or B, are eligible for a variety of opportunities from the over 100 colleges. The opportunities available vary from school to school and include scholarships, advanced standing, and credits for introductory courses. More information is available at the Project Lead The Way website: <http://www.pltw.org/our-programs/ap-pltw>

The program engages students in collaborative, real-world activities such as working with a client, designing a home, programming electronic devices or robotic arms, or exploring algae as a biofuel source. As students work together to design and develop solutions to local and global challenges, they engage in problem-solving strategies and critical and creative thinking. By pushing themselves to rework and refine their projects, PLTW Engineering students learn that perseverance is key to learning and innovation. The program's sequence of courses empowers students to develop in-demand knowledge and skills they will use in high school and for the rest of their lives, on any career path they take. This program will benefit student by providing exposure to the field of STEM at a variety of levels from technical to academic.

If you have any questions about PLTW, please contact me at [lmazzella@nhvweb.net](mailto:lmazzella@nhvweb.net) or call (908) 735-2846 ext. 5432. Thank you and we look forward to our students taking advantage of this opportunity.

Sincerely,

Louis Mazzella  
Supervisor of STEM and Technology Education  
North Hunterdon-Voorhees Regional High School District