



**BAYONNE BOARD OF EDUCATION  
ADMINISTRATION BUILDING**

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**Science Department Monthly Message  
September 2019**

It is with great enthusiasm that I welcome you back to school for the 2019-2020 school year. I hope everyone had an enjoyable and relaxing summer vacation. The Science Department will expand upon our department mission in 2019-2020 by continuing to provide students with new and exciting STEM experiences that will promote creativity, collaboration, and innovation.

Students in Grades K - 8 will engage in learning activities related to the four disciplinary core ideas as outlined in the New Jersey Student Learning Standards for Science. Lessons in Physical Science, Life Science, Earth and Space Science, and Engineering Design provides students with the foundation to be successful in high school courses such as Biology, Chemistry, Physics, and Environmental Science. Furthermore, students who display an interest in the Sciences may elect to enroll in Advanced Placement courses in the core disciplines and electives in Engineering, Scientific Research, Anatomy and Physiology, and Forensic Science.

New and exciting opportunities for the 2019-2020 school year include year 2 of implementation of Lego WeDo 2.0 Robotics into the Grade 4 science program to enhance instruction in the areas of life, physical, earth and space science, and engineering design. There will also be changes to Junior Robotics which will include additional equipment and a new format for the annual district robotics challenge.

Additionally, BHS students with a passion for research can enter into a course sequence that will enable them to develop a research project and further expand upon it in future years. Research projects developed in Scientific Research Design Methods and Scientific Research Design Methods 2 will be entered into the RWJBarnabas Health STEM Showcase, Young Science Achievers Program, Montclair State University Science Fair, and Rutgers Junior Science and Humanities Symposium.

In conclusion, I would like to congratulate the students that completed Environmental Science and Engineering Summer Camp along with our first, second, and third year Proyecto Science students. I commend this group for their excitement, commitment, and dedication to STEM education.

Please contact the Science Department with questions or concerns. I am looking forward to an exciting and rewarding school year filled with new experiences and opportunities!

Regards,

*Tara Degnan*

Director of Science

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