Science Department Staff

Department Vision

The District's science staff is dedicated to preparing your students as life long learners by creating opportunities for them to safely explore the life, physical, earth and space sciences. We work each day to make them well rounded, scientifically literate citizens ready to meet the every changing world in which we live.



Highland

Mark Bruder Christopher Dunkley Christina Durante Robynn Dyl Kathleen Kernan Aaron Kozak Brittney Henry Michael Nealis Frank Plefka Ted Schoening Rachel Senft



Timber Creek

Science creativity communication problem solving iteracy



Triton

Michael Nealis Frank Plefka Ted Schoening Rachel Senft David Ackley Lenya Ambrose Susan Bagienski Allison Basile Holly Corleto John Green Christine Guida Elliott Karetny Charles Manero Stuart Merves Charles Renner Joe Sokolic

Katherine Bond Megan Bruder Jack Feighan Cara Fry Ryan Hughes Stacey Kind Nick Nordone Annetta Pasquarello Helen Romanos Melissa Surynt Stephanie White



Jennifer Gramble

District Supervisor of Science

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Course Offerings

Introductory Courses

Introduction to the Physical Sciences Laboratory Biology Honors Physical Systems Environmental Science

Biology Courses

Biology Laboratory Biology Horticulture (Triton and Highland Only) Ecology and Conservation Marine Science Human Anatomy and Physiology

Chemistry Courses

Lab Chemistry Laboratory Chemistry Accelerated Lab Chemistry Honors Forensic Science

Physics Courses

Laboratory Physics

Advanced Placement

Biology Environmental Science Chemistry Physics I Physics II

Curriculum

Current curriculum is constantly being evaluated and updated. Through out the year, as teachers collaborate in their PLC course teams, new strategies, activities, assignments, and assessments are being added to improve student learning

As the district moves towards implementing the Next Generation Science Standards, the curriculum will be adjusted to reflect the increase in student centered learning.

Click the word Curriculum above to see the science curriculum documents.

Engaging Students, Fostering Achievement, Inspiring Excellence

Clubs and Activites

Join our Green team! Our primary goal is to

serve as role models within our school community so that we can be-



come more environmentally friendly and fiscally responsible. Through our actions, we will inspire and impact our peers, family members, friends, neighbors, and the community at large to practice cleaner and greener habits to ensure a healthier world for tomorrow.

All three schools have fielded **Envirothon Teams** where students train in the areas of Wildlife, Forestry, Aquatics, Soils and Environmental Issues, and then compete against schools from all over the state each May. Each school has either a science club or STEM club that engages in activities which explore student interests varying from year to year. Triton's **Horticulture Club** not only spends time learning about and growing plants but are responsible for many of the beautiful landscaping projects on campus and in our community.

Students have the opportunity to participate in the Monmouth Junior Science Symposium, the New Jersey Science League, the Sea Perch Robotics competition at Drexel University, and the