

Pranford High School
Science Academy

2017

*Mrs. Lisa Haysack- Supervisor of Science & Applied
Technology, Science Academy Coordinator, University
Coordinator of External Educational Experiences*

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Teacher, Student Advisor of the Science Academy*

Vision

- *The Science Academy will offer students opportunities to explore the areas of Healthcare Sciences, Environmental Sciences and Engineering by providing them with the knowledge, skills and experiences needed for careers/occupations.*

Goals & Objectives

- *To allow students to explore possible careers within their concentration.*
- *To guide students to their journey to a possible career/occupation.*
- *To explore options within each area of concentration.*
- *To develop individualized plans with an advisor to assist each student in reaching their own personal goals.*
- *To study in their area of concentration and extend to outside the traditional day.*

History

- *2009 - Healthcare Sciences*
- *2012 - Engineering*
- *2013/2014 - Environmental Science*

Why become a part of science academy?

- *Individualized experience*
- *Academic Resume*
- *Opportunities outside classroom*
- *Career Exploration*
- *Professional Seminars*
- *Academic Advisement*

Program Requirements

- *Maintain a 3.0 GPA*
- *Yearly Review of: discipline record, attendance and involvement*
- *Continued Interest and Participation*
- *Volunteer Requirement (3 times per year)*

Guiding you through your journey.....

Health Care Sciences

- *Professional Careers*
 - *Medical Doctor, Vet, Physical Therapist, Dentist, Occupational Therapist, Social worker*
- *Technician or Technologists Careers*
 - *Ultrasound Technician, Dental Lab Technician, EMT, Surgical Technician,*
- *Aides/Assistants Careers*
 - *Dental Assistant, Nurse Assistant, Hospital Worker, Recreational Therapy Assistant,*

- *RUTGERS Courses for College Credit*
 - *Emergency and Clinical Care*
 - *Nutrition*
 - *Medical Terminology*
 - *Dynamics of Health Care*
 - *\$45.00 fee per course*

- *Course Recommendations will vary by career choice*
 - *Organic Chemistry, Anatomy & Physiology, Psychology, Forensics, Sociology, Rutgers Courses*

Guiding you through your journey.....

Engineering

- *Mechanical Engineering*
- *Electrical Engineering*
- *Biomedical Engineering*

- *Course recommendations will vary by career choice*
 - *CADD, Pre-Engineering & Robotics, Automotive Technology, Physics, Construction Technology, Computer Programming, Coding, Medical Terminology, Anatomy & Physiology, CADD: Architectural Studio: Personalized Projects, CADD-Architectural Office: Landscape Architecture, Urban Planning, and Commercial Contest*

Guiding you on your journey

- *Environmental Science*
 - *work as policy writers and consultants, developers, conservationists, educators, engineers and ecologists.*
- *Course Recommendations will vary by career choice*
 - *Sociology, A Z Environmental, Environmental, A Z Human Geography, Current Global Issues, Marine Science*

Recent learning experiences

- *STEM Xean*
- *STEM Research Guest Speaker*
- *Presenters from Pfizer, NJ Watershed, Centenary College Veterinarian Program*
- *Robotic Surgery, Kidney Transplant Surgery, Pediatric Surgery, Neonatal -Surgery, Knee Replacement*
- *Rahway Valley Sewerage Authority Plant Tour*
- *Rutgers University Geology Museum & Engineering Activity*
- *NJIT Engineering Day*
- *Women in Science FDU*



Science Academy Applications

- *Completed Applications are Due:*
 - *March 6, 2017*

Mrs. Lisa Cayeck

Granford High School

Thank you!