

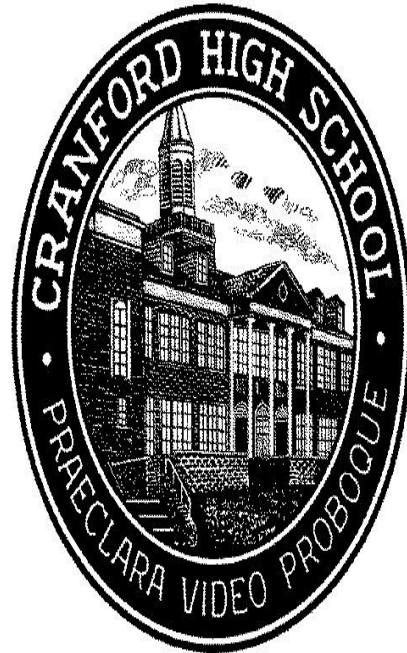
## VISION STATEMENT

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

### Goals & Objectives:

- 1) To allow students to explore possible careers within their concentration.
  - 2) To guide students to their journey to a possible career/occupation.
  - 3) To explore options within each area of concentration.
  - 4) To develop individualized plans with an advisor to assist each student in reaching their own personal goals.
  - 5) To study in their area of concentration and extend to outside the traditional day.
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Dr. Marilyn Birnbaum,  
Superintendent of Schools,  
Interim

Mr. Mark Cantagallo, Principal  
of Cranford High School

Ms. Lisa Hayeck  
Supervisor of Science & Applied  
Technology

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CRANFORD HIGH  
SCHOOL

SCIENCE ACADEMY 2017

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Students Grades 10-12 interested in the  
Healthcare Sciences, Environmental  
Sciences & Engineering

Students must meet all academic eligibility requirements: including teacher recommendation, 3.0 GPA, and service component.

Students will have varied course paths according to their career choice.

**RUTGERS Course Offerings for College Credit:**

- Emergency and Clinical Care
- Nutrition
- Medical Terminology
- Dynamics of Health Care

**Healthcare Science Course Suggestions:**

- Anatomy & Physiology
- Psychology
- Forensics
- Sociology
- Organic Chemistry

**Engineering Careers Concentrations**

- Mechanical Engineering
- Electrical Engineering
- Biomedical Engineering

**Engineering Course Suggestions:**

- CADD
  - Pre-Engineering & Robotics
  - Automotive Technology
  - Woodshop
  - Physics
  - Construction Technology
  - Computer Programming
  - Coding
  - Medical Science
  - Anatomy & Physiology
- \*Students will have varied course paths according to their career choice.

**Environmental Science**

- Policy Writers and Consultants, Developers, Conservationists, Educators, Engineers and Ecologists.
- **Environmental Course Recommendations:** Sociology, AP Environmental, Environmental, AP Human Geography, Current Global Issues, Marine

**Health Science Careers Concentrations**

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

\*Students will have varied course paths according to their career choice.

Any questions, please contact Science Academy Coordinator Ms. Lisa Hayeck, (908)709-8870 or email [lhayeck@cranfordschools.org](mailto:lhayeck@cranfordschools.org)