

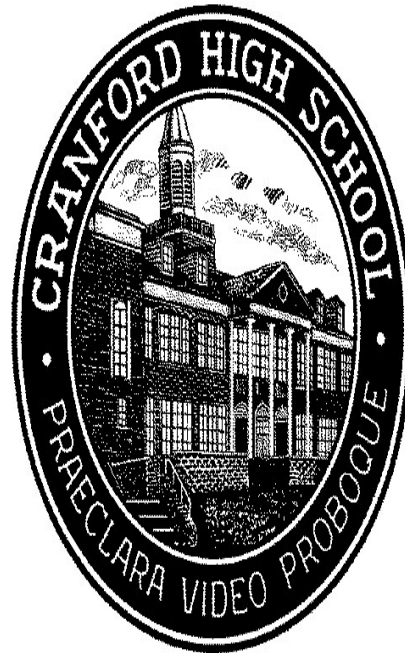
VISION STATEMENT

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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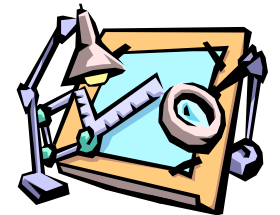
Dr. Gayle Carrick,
Superintendent of Schools

Mr. Rui Dionisio, Principal of
Cranford High School

Ms. Lisa Hayeck
Supervisor of Science

CRANFORD HIGH
SCHOOL

SCIENCE ACADEMY 2012



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

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

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

UMDNJ Course Offerings for College Credit:

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

Healthcare Science Course Suggestions:

- Bioethics
- Anatomy & Physiology
- Psychology
- Forensics
- Sociology

Engineering Careers Concentrations

- Mechanical Engineering
- Electrical Engineering
- Biomedical Engineering

Engineering Course Suggestions:

- CADD
 - Pre-Engineering & Robotics
 - Automotive Technology
 - Physics
 - Construction Technology
 - Computer Programming
 - Bioethics
 - 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:** Bioethics, Sociology , AP Environmental, Environmental, AP Human Geography, Current Global Issues

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.....

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Any questions, please contact Science Academy Coordinator Ms. Lisa Hayeck, (908)709-8870 or email lhayeck@cranfordschools.org or Science Academy Advisor , Ms. Daphne Morrissey email at morrissey@cranfordschools.org