The Discovery Institute
College of Staten Island: Helping Public School Students Become “College Ready”

Michael G. Pappas, Ph.D.
Institute Director
College of Staten Island (CUNY)

- Only Public Institution of Higher Education in Staten Island
- Committed to highest standards of teaching, research and scholarship since 1847 (CUNY)
- History of serving populations historically underrepresented in higher education
The Discovery Institute at CSI

- Serving the NYC public education system for Over 20 years
- Services provided through Federal, state, local, and foundation grants
- Uses a multiprong approach to assist schools, students and parents
- Works closely with Community based Organizations (CBOs)
Discovery Institute Mission

- Provide Professional Development to public school teachers (over 20 years)
- Recruit highly qualified CSI tutors and mentors through “Teaching Scholars” program
- Engage and excite students through “Discovery” Learning Approach
- Provide students and parents information on scholarships, grants, student loan and job opportunities
Student Programs

- Tutoring at schools and after school at CBOs
- College Visits
- Educational shows
- Science, Technology, Engineering and Math (STEM) Labs
- Computer Labs
- Field Trips
- Summer Boot Camp
Current Institute Projects

• US Department of Education
  – GEAR UP (Staten Island)

• New York City Department of Education
  – Career Pathways for Medical Technology Staten Island High Schools
  – Medical Laboratory & Assisting Program in Biotechnology for Manhattan Schools
Teaching Scholars Tutor Students Year Round

Teaching Scholars tutor students during school hours, after school at CBOs and during Summer Boot Camp on campus.
College Visits Engage Students
The Discovery Institute Provides

• Summer Boot Camp at CSI
  – Students receive discovery-based learning in
    • STEM subjects
    • Computer technology
    • English and Reading (ELL)
  – Nutritional lunches at college cafeteria
  – Free bus rides to and from their school
STEM: Brain Dissection in the Labs
STEM: Students Actively Participate!
Forensics Class: Blood Stain Analysis

Students “Discover” Who done It?
STEM Boot Camp Fingerprint Analysis

Real laboratory analysis in real Labs
Engineering: Model Plane Wing Design

Prof. Antoniades leads the Engineering Boot Camp Section
Summer Boot Camp Kids Fly Remote Controlled Planes

First flight and it didn’t crash!!!
Summer Boot Camp Math
Math: The Pythagorean Theorem

Pythagorus would be proud!
STEM: Water Pollution Study Field Trip
Measuring Water pH and Toxins in Pond Water
Contact The Discovery Institute

- Dr. Michael Pappas: 718-982-2566
- Lenore Vazquez: (GEAR-UP Coordinator) 718-982-2325
- Sherina Peterkin: (Parent Coordinator) 718-982-2369
- Idamiss Arroyo: (Parent Coordinator) 718-982-2325
- Peggy Travers: (Teaching Scholars) 718-982-5036
- Jean Holder: (Administration) 718-982-2325
The Institute Thanks

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• US DOE GEAR-UP Program
• Our students for doing a great job!!!