A Compendium of P-16 Partnerships and Collaborations

October 2007

The University of the State of New York  |  The State Education Department
THE UNIVERSITY OF THE STATE OF NEW YORK

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Introduction

The New York State Board of Regents - which is the oldest, continuous state education entity in America – provides 21st century leadership for all educational and cultural institutions across the State of New York. Collectively, the State Constitution calls this the “University of the State of New York. “The University of the State of New York (USNY)” is the most comprehensive and unified educational system in the nation and is made up of:

- More than 7,000 public and private elementary and secondary schools;
- 271 public and private colleges and universities;
- 450 non-degree granting proprietary (for-profit) schools;
- Nearly 7,000 libraries;
- 750 museums;
- The State Archives;
- Vocational rehabilitation and other services for adults with disabilities;
- Special education services for pre-school and school-age children and teenagers;
- A special School for the Blind;
- A special School for the Deaf;
- 25 public broadcasting facilities, including 7 public television stations;
- Over three quarters of a million professionals practicing in 47 licensed professions, including pharmacy, architecture, accounting, and nursing; and
- 225,000 certified public school teachers, counselors, and administrators.

This year, the Board of Regents adopted the new P-16 Education Action Plan to improve achievement and close performance gaps across the Pre-Kindergarten through higher education (P-16) continuum. The P-16 agenda sets forth a coordinated action plan for achieving these goals by bringing together all parts of the University of the State of New York to strengthen instruction, raise learning standards, improve graduation rates, and increase accountability. The coordination and collaboration among these educational institutions has created a powerful lever to improve instruction and close the performance gap for student graduation.

In 2006, over 60,000 students statewide benefited from coordinated high school to college connections, service opportunities in local communities, and relationships with the professional community through programs administered by the Department, including the Liberty Partnerships Program, Learn & Serve America, the Science & Technology Entry Program (STEP), and the Collegiate Science & Technology Entry Program (CSTEP), resulting in higher academic performance and graduation rates for participating students.

For example:

**2005-2006 Liberty Partnerships Program, Statewide Success Indicators:**

Annual school dropout rate among LPP students: 1.17 %
Annual student-school persistence rate: 98.83 %
Graduation rate: 90% (based on the number of 12th grade students who graduated)
86% Chose to Attend College (based on the number of graduating students attending college)
76% of College-Going LPP continued education in NY (based on the number of graduating students attending college)
The **STEP/CSTEP programs** have demonstrated their effectiveness in increasing the number of under representation of minority and economically disadvantaged persons in mathematics, science, technology, health-related fields and the licensed professions.

- Fifty-seven percent of college-going graduates of STEP pursued careers in math, science, technology, and health in 2005-06.
- Eighty-five percent of STEP 12th grade students went on to college.
- In 2005, 98% of STEP students graduated from high school.
- STEP students have participated in Advanced Placement and college credit bearing enrichment courses.
- STEP students have had research and internship experiences, as well as, college and career counseling.
- In 2005-2006, 73% of CSTEP seniors graduated college and 48% of enrolled students achieved a 3.0 or better GPA.
- Thirty percent of CSTEP graduates enrolled in graduate or professional study and 31 percent were employed in related fields.
- In 2003, the STEP and its sister program, the Collegiate Science and Technology Entry Program (CSTEP) received the Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring (PAESMEM).

**In 2006, SUNY campuses** offered such courses to more than 31,000 high school pupils. Our independent colleges and universities publish a catalog of the offerings of 56 institutions for high school students. They include Columbia, Cornell, New York University, Syracuse, and the University of Rochester as well as both liberal arts colleges and such specialized institutions as The Culinary Institute of America and Vaughn College of Aeronautics and Technology.

**College Now** is a CUNY program to bring to all New York City public high schools the services of CUNY’s colleges, including courses bearing college credit. Its defining goals are to help students meet high school graduation requirements and prepare for success in college. It is serving over 30,000 students in 287 high schools. From 2001-2002 to 2005-2006, the number of students served grew by 42.6 percent, from 22,105 to 31,536. Course and activity enrollments during the same period have increased by more than 66.8 percent, with 31,189 enrollments in 2001-2002 and 52,039 in 2005-2006.

Nationwide, the number of early college high schools has exploded over just the last three years, thanks in part to encouragement from the Gates Foundation. As recently as 2004, there were only 22 such schools nationwide. This year there are 130, for nearly a 500 percent increase over three years.

New York is the home to one of the first early college high schools, the Middle College High School at CUNY’s LaGuardia Community College, which opened 33 years ago -- in 1974. As of September 2007, CUNY has opened eleven affiliated early college schools serving nearly 3,000 students in Brooklyn, Queens, Manhattan and the Bronx. For many years, New York’s Bard College has operated an early college program at Simon’s Rock, in Massachusetts. In 2002, Bard opened a second early college in New York City where high school courses are taught by certified teachers and college courses are taught by Bard College faculty.

At a meeting earlier this month in Washington, presenters showed that early college high school students:
- Reported having significantly greater confidence in their math and writing skills than traditional high school students;
- Earned passing grades in their college courses; and
- Evidenced growth in their knowledge about attending college.

This compendium must be viewed as a “work in progress.” It represents only a portion of the total number of P-16 partnerships that New York State’s Colleges and Universities are collaborating on. Included in the appendix is a listing of all colleges that have reported P-16 partnerships. Programs other institutions will be added into the final compendium which will be available next month.
### Institution Programs

**Adelphi University**

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<th>Name of Institution:</th>
<th>Adelphi University</th>
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<tr>
<td>Contact Person:</td>
<td>Anne Mungai</td>
</tr>
<tr>
<td>Telephone:</td>
<td>516-877-4096</td>
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<tr>
<td>Email:</td>
<td><a href="mailto:mungai@adelphi.edu">mungai@adelphi.edu</a></td>
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**Name of P-16 Collaborations/Partnerships:** TLQP School of Education/ college of Arts and Science

**Deliverables to the student:** Academic support, credits for graduation, professional development.

**Number of Students served:** 45 participants

**Cost per student:** About $800 and no other grants.

**Data on the success of the collaborations:** In the last five years, there has been improvements in performance of students taught by the participating teachers as shown in state tests. Other improvements are 80% percent of the participants are able to use technology effectively in the teaching.
Name of Institution:  Associated Colleges of the St. Lawrence Valley  
Contact Person:  Agnes Grant  
Telephone:  (315) 386-7208  
E-mail:  granta@canton.edu

Name of P-16 Collaborations/Partnerships:  Liberty Partnerships Program/Project Breakthrough  
The Associated Colleges of the St. Lawrence Valley Liberty Partnerships Program works closely with the individual school districts in the rural communities of the North Country to develop accessible programs that are responsive to the needs of the students and our partner schools/districts. Associated Colleges additionally offers tuition benefits to full-time LPP employees at their participating colleges and universities.

Deliverables to the student:  Academic-Year and summer services; school-based, supplemental education services that include: tutoring, homework assistance, Regents Prep; college/career exploration and placement assistance; college visits; academic, personal and family counseling; crisis intervention and parent support; workplace mentoring and part-time employment; cultural enrichment, field trips; and opportunity for service.

Number of Students served:  363 students enrolled in grades 5-12  
Cost per student:  SED/LPP Funding:  $646  
SED/LPP Funding & Other Sources:  $1,470

Data on the success of the collaborations:  
LPP’s advisory board and the Associated Colleges of the St. Lawrence Valley secured substantial funding to supplement the LPP grant and enriched program offerings to continual referrals of expert consultants. The Colleges have additionally provided grants writing support; work study funding and transportation assistance for college students in service to 13 LPP school districts as tutors and health interns; access to printing services; and multi-media support when necessary. The partner schools facilitate student transportation, access to professional development and planning opportunities and share resources with LPP staff.

Results:  

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<tr>
<td>Student/School Persistence Rate</td>
<td>95.3%</td>
<td>100%</td>
<td>99.3%</td>
<td>97.7%</td>
<td>98.6%</td>
</tr>
<tr>
<td>College-Going Rate</td>
<td>60.7%</td>
<td>57.9%</td>
<td>55.6%</td>
<td>94.1%</td>
<td>67.4%</td>
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<tr>
<td>Workforce Entry Rate</td>
<td>28.6%</td>
<td>36.8%</td>
<td>44.4%</td>
<td>41.2% (Plan to work while in school)</td>
<td>18.6%</td>
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Where were 2007 Associated Colleges College-Bound LPP graduates headed? 
Clinton Community College, Herkimer Community College, Jefferson Community College, Johnson & Wales College (Virginia), Mohawk Valley Community College, St. Johns University, SUNY Albany, SUNY Canton, SUNY Potsdam, Valencia Community College (Florida)
Associated Medical Schools of New York

Name of institution: Associated Medical Schools of New York
Contact person: Eberle Schultz
Telephone: 212-218-4610
Email: eberleschultz@amsny.org

Name of P-16 Collaboration/Partnership: Science and Technology Entry Program (STEP)

ALBANY Medical College: Community leaders from different agencies

- Albert Einstein School of Medicine (AECOM): Child & Family Comprehensive Center, Montefiore Satellite; Children's Hospital at Montefiore; Children's Aid Society; Jacobi Medical Center, Pediatrics; Jacobi Medical Center, Pharmacy; Jacobi Medical Center, Women's Health Center; Melrose on Track; Montefiore Medical Center; Montefiore Professional Center; Montefiore Weiler Hospital of AECOM, Neonatal Intensive Care Unit, Anesthesiology Department; North Central Bronx Medical Center; Comprehensive Sickle Cell Program
- Columbia University: Cooper Union Engineering Program; Wesleyan University; Columbia University
- NYMC: Dolan Laboratory
- NY College of Osteopathic Medicine: Long Island CSTEP/STEP Consortium
- New York University: SUNY College of Optometry; Let’s Get Ready, Inc.
- University of Rochester: Rochester Institute of Technology; Suny Fredonia; Monroe Community College; American Red Cross; Ibero-American Action League; Monroe High School; Monroe Community College; Puerto Rican Youth Development; Rochester City School District; Urban League of Rochester; Vaccinex Inc; University of Rochester- various departments, offices, and organizations
- SUNY Downstate: College of Medicine, College of Health Related Professions, Arthur Ashe Institute for Urban Health
- SUNY Buffalo: STEP Regional Science Bowl in Rochester, NY

Deliverables to the students: College credit, SAT preparation, College visits, Tutoring

Number of students served: 510

Data on the success of the collaborations: SUNY Downstate: 2nd Place in Human services category in poster competition at STEP Student Conference in Albany, 2007
Name of P-16 Collaboration/Partnership: Liberty Partnerships Program/Liberty LEADS

The mission of Liberty Partnerships Program at Bank Street College is to ensure that underserved urban youth have access to the resources necessary to increase their ability and motivation to graduate from high school and gain admission to college. Bank Street supports Region 10 (former district: 3, 5 & 6) in federal initiatives that assists in the recruitment, preparation and retention of teachers and educational leaders. LPP’s academic programs are integrated into Region 10’s goal to build the capacity to improve student outcomes in low-performing schools. Both parties regularly discuss the District’s needs and the role LPP plays in fulfilling them.

**Deliverables to the student:** Campus-based academic year and summer services. Supplemental educational support; academic, personal and family counseling; crisis intervention; college/career exploration & placement assistance; parent engagement and support; cultural enrichment; mentoring; work-based mentoring; internships; field trips; student leadership development; and, opportunity for local and international service through study abroad programs. **Two Tracks: Middle School and High School**

**Number of Students served:** 225 students, Grades 5-12

**Cost per student:** SED/LPP: $1,247
SED/LPP & Other Sources $5,993

**Data on the success of the collaborations:**

The New York Restoration Project, Mohican Camp and Lord Sterling Camp, YMCA Global Teens, Experiment in International Living, Wave Hill Forestry Program, Columbia University Summer Program for High School Students. LPP is active with the interagency All Male and Emerging Women’s Conference, and has hosted several of its meetings.

**Results over the past five years:**

- Drop out Rate: 0
- Ninety-five percent (95%) of students were promoted and are on track for on-time graduation
- Graduation Rate: 95%
- 100% of college-bound LPP graduates were accepted into college
Name of Institution: Barnard College
Contact Person: Alexandra Nestoras
Telephone: (212) 854-7491
E-mail: anestoras@barnard.edu

Name of P-16 Collaboration/Partnership: Liberty Partnerships Program

Entering its 19th year of service through the Liberty Partnerships Program, Barnard College continues to offer campus-based services designed to lift the aspirations and educational performances of students enrolled in grades 9-12. Barnard Admissions, Career Development Financial Aid and HEOP offices extend workshops and individual sessions to encourage and facilitate admissions opportunities at Barnard and transition into campus life. Barnard & Columbia University student organizations include LPP students in enrichment activities. For the past 18 years, Barnard has provided free housing for LPP summer tutoring staff.

Deliverables to the student: Supplemental education services, including tutoring & homework assistance and SAT Prep; academic, personal & family counseling; crisis intervention & advocacy; college/career exploration and placement assistance; summer enrichment programs and internships; field trips; parent workshops; cultural enrichment; mentoring; field trips & college tours, scholarships through Dollars for Scholars, an initiative of Scholarship America.

Number of Students served: 125

Cost per student:
SED/LPP: $178,316/$1,426
SED/LPP & other resources: $223,960/$1,791

Data on the success of the collaborations:

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<tr>
<td>Promotion Rate</td>
<td>87%</td>
<td>88%</td>
<td>96%</td>
<td>95%</td>
<td>95%</td>
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<tr>
<td>Graduation Rate</td>
<td>76%</td>
<td>84%</td>
<td>92%</td>
<td>93%</td>
<td>94%</td>
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<tr>
<td>Dropout Rate</td>
<td>0</td>
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<td>0</td>
<td>99.2%</td>
<td>0</td>
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<tr>
<td>College-Going Rate</td>
<td>93%</td>
<td>90%</td>
<td>90%</td>
<td>88%</td>
<td>84%</td>
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Where Barnard College-Bound LPP graduates headed in 2007?
CUNY Borough of Manhattan Community College, CUNY City College, CUNY College of Staten Island, CUNY Hunter College, CUNY John Jay College, CUNY Lehman College, CUNY Medgar Evers College, CUNY NYC College of Technology, CUNY York College, Miami International University of Art & Design, Marist College, Morgan State University (Maryland), SUNY Binghamton, SUNY Delhi, SUNY Old Westbury, Syracuse University
Name of institution: Barnard College
Contact person: Saul Davis
Telephone: 212 854-1314
Email: sdavis@barnard.edu

Name of P-16 Collaboration/Partnership:

New York Times Foundation (STEP)
Moore Foundation (CSTEP)
HESC (CSTEP)

STEP:
  Columbia University Astrophysics Lab NSF Fellow (Astronomy)
  Columbia University Mailman School of Public Health
  Woodycrest Center for Human Development (WCHD)

CSTEP:
  Columbia University Physics Laboratory
  Columbia University School of Social Work

Deliverables to the students:
  Students receive enrichment classes and laboratory experiences in math, science, and writing;
  SAT preparation classes;
  College admissions counseling (individual and group);
  Annual college tour (3 – 4 days);
  Tutoring in math and science;
  Chess tournament (2 per year);
  New media instruction (computer software, video production, digital music production);
  Annual graduation and recognition ceremony;
  Career counseling;

Number of students served:
  70+ per year (STEP)
  26 (CSTEP)

Data on the success of the collaborations:
  In the last 5 years, there have been 62 graduates, with 92% pursuing STEM majors or majors that lead to professional licensure. Ninety-five percent attend 4-year colleges/universities. We have secured recurring internships at our host sites due to the success of each cohort of students.
Baruch College

Name of institution: Baruch College
Contact person: Brian Kane
Telephone: 646-312-4298
Email: brian_kane@baruch.cuny.edu

Name of P-16 Collaboration/Partnership: Science and Technology Entry Program (STEP) and any other major collaborations that your institution has in support of STEP.
- STEP
- Baruch College

Deliverables to the students: (e.g. academic support, college credit, graduation, etc.)
- College awareness course
- Field trips/panel discussions

Number of students served: unduplicated headcount (only count a student once per year).
- 60

Data on the success of the collaborations: Success over the past 5 years of the program. Statewide/national honors or recognition awards.
- N/A
**Name of Institution:** Borough of Manhattan Community College  
**Contact Person:** Steve Lampedusa  
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**E-mail:** slampedusa@bmcc.cuny.edu

**Name of P-16 Collaboration/Partnership:** Liberty Partnerships Program

The Liberty Partnerships Program at Borough of Manhattan Community College (BMCC) addresses the significant dropout rate among New York City’s Youth by providing services to students that motivates and prepares them to graduate from high school and enter postsecondary education and the workforce as highly competent individuals.

From its inception, the mission of this LPP was to encourage and support the abilities of pregnant and parenting teens to graduate from high school prepared to enter postsecondary education and the workforce through comprehensive embedded and school-based services and Saturday campus programming.

BMCC’s partner schools partner schools were closed on June 30, 2007 and its LPP students were disbursed to 10 high schools in three boroughs. Proud of its work with these students, BMCC continues its commitment to returning 2006-2007 students through Saturday campus-based programs with the support of the day-care services of BMCC’s Child Development Center. LPP services will be additionally extended to other students attending nearby high schools.

**Deliverables to the student:** Supplemental education services including: tutoring & homework assistance, developmental English Language Arts and Math, Math & English Prep for Regents, and SAT/ACT prep; academic, personal and family counseling; crisis intervention & advocacy; college/career exploration & placement assistance; cultural enrichment; field trips; and Yoga/Pilates and Expressive Art and day care for the pregnant and parenting teens. By agreement with the principal, these students will receive one gym credit and one art or elective credit.

**Number of Students served:** 222  
**Cost per student:**  
SED/LPP: $209,085/$941

**Data on the success of the collaborations:**

<table>
<thead>
<tr>
<th></th>
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<td>19</td>
<td>13</td>
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</tbody>
</table>
**Institution:** Borough of Manhattan Community College  
**Contact person:** Dr. Barbara Ashton, Coordinator  
**Telephone:** 212-220-1346  
**Email:** bashton@bmcc.cuny.edu

**Name of P-16 Collaboration/Partnership:** Science and Technology Entry Program (STEP) and any other major collaborations that your institution has in support of STEP.

Partnerships at BMCC include:
- CSTEP
- College Now
- Upward Bound
- Departments of Science, Mathematics, English, Computer Science, Social Science, Nursing
- Mathematics and Writing Laboratories

Partnerships with High Schools:
- Manhattan International High School
- Millennium High School
- Louis Brandeis High School
- Murry Bergtraum High School
- High School of Communication and Graphic Arts

**Deliverables to the students:** Weekly STEP science and technology classes. Instruction in writing, speech and mathematics in the STEP classes. Field trips in each semester. Special sessions on study skills, career planning, and choosing a college each year. Sciences special topics colloquia each year. Tutoring in science, mathematics and writing outside of STEP classes. Internships with BMCC faculty members. Stipends for students that complete internships. Participation in the STEP Student Conference. Partnership with BMCC CSTEP program. Free College Now classes for college credit.

**Number of students served:** 81 students in 2006-2007

**Data on the success of the collaborations:**
- Graduation rate near 100%.
- College Acceptance rate 100%.
- College majors in STEP related fields about 70%.
- Average GPA 85%.
- Attendance at STEP Student Conference: 10-15 students each year.
- Posters Presented at Student Conference: 2 – 4 each year.
- 4 trophies won at the Student Conference in the past 5 years.
**Brooklyn College**

**Name of institution:** Brooklyn College STEP Program

**Contact person:** Ronald A. Eckhardt, Project Director

**Telephone:** 718-951-5000 x2014

**Email:** ronalde@brooklyn.cuny.edu

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**Name of P-16 Collaboration/Partnership:** Science and Technology Entry Program (STEP) and any other major collaborations that your institution has in support of STEP.

We work closely together with a strong regional group of STEP and CSTEP Programs throughout the NYC Boroughs of Brooklyn, Queens and Staten Island. The BCSTEP Program also intensively collaborates and co-sponsors events with the BC CSTEP Program and with the Kingsborough Community College (KCC) C/STEP programs where we have many other joint education initiatives including The Brooklyn Gateway from NSF STEP, and a new articulated AS/BA/BS degree program between BC and KCC to produce highly trained personnel to work in NYS’s emerging Biotechnology industry. Our BCSTEP Coordinator is now a faculty member at KCC which helps facilitate interactions between our two institutions. In addition, Brooklyn College's STEP Program is jointly working with the Jackie Robinson Center for Physical Culture in providing science enhancement in middle schools in the Borough of Brooklyn.

**Deliverables to the students:** Generally, we try to support our students academically by providing tutoring, personal and career counseling, mentoring and a broad array of other services either directly provided by the project staff or through Brooklyn College. In addition, we have program staff recruited from each of our major partnering high schools who work directly with the students in their schools. We also provide science supplementation including field trips to science related institutions, by providing materials and supplies to the high schools for science experiments, offering specialized workshops and lectures at BC, offering Career Nights for STEP students and their families in the evenings at BC, sponsoring Big Brother/Sister programs where STEP students go to classes with our college students and “Meet and Greet” sessions with faculty, providing college entry test preparation, and offering specialized summer courses preparing students for research as well as providing mentored research in laboratories at BC and other institutions to advanced students.

**Number of students served:** 74 (even though we are budgeted for only 60)

**Data on the success of the collaborations:** Success over the past 5 years of the program. Statewide/national honors or recognition awards.

The BC C/STEP Programs co-sponsor a Science Research Day in the Spring at Brooklyn College each year where our students and other students can present their research and interact with fellow students and the faculty. We judge their projects using many "judges" who were previously members of the CSTEP or STEP programs. There are awards given and there is a yearly booklet published listing all presenters along with Abstracts of their research. Every BCSTEP student who opts to work on a research project can present their work to others at the BC Science Research Day. We also encourage our BCSTEP students to submit their research to regional and local science competitions including those sponsored by New York State.
Name of P-16 Collaboration/Partnership: Liberty Partnerships Program at BCC- “Explore the Possibilities”

The Liberty Partnerships Program at Bronx Community College is grounded in the belief that more at-risk high school students can successfully complete high school and attend college if they are prepared through a value-added educational achievement model that integrates psycho-social conversation and supports with an inter-disciplinary approach to teaching math, science and English Language Arts.

The Liberty Partnership Program exposes the students of participating high schools to a variety of experiences which allow them to explore new domains, to be involved in participatory experiences that are out of their norm such as: using Environmental Science field trips, exploring the backwoods and other activities to help students refine their abilities to cooperate, work as a team and be responsible. In Language Arts Through Martial Arts, students heighten their body awareness improve coordination and learn defensive skills while improving their language arts and computer skills.

Housed in Academic Affairs under the Collaborative Educational Program Department, LPP is positioned to respond to the needs of students and family members with access to the educational and social resources of the College. LPP is included in the corporate giving program of Bronx Community College.

**Deliverables to the student**: Supplemental education services, including tutoring & homework assistance and SAT Prep; academic, personal & family counseling; crisis intervention & advocacy; college/career exploration and placement assistance; summer enrichment programs and internships; field trips; parent engagement; cultural enrichment; mentoring; field trips & college tours

**Number of Students served**: 194

**Cost per student**: $899 per student.

**Data on the success of the collaborations**:
Our annual dropout rate is under 2 percent. Over the past five years LPP seniors have graduated at a rate of 92% and of that percentage 90% have gone on to college. Through relationships with partners such as Grand Central Partnership, Community Board 5 and Gloria Wise Boy’s and Girls Club LPP has been able to provide internships, find summer employment and field athletic teams for it’s participants.
Name of P-16 Collaborations/Partnerships: Fast Forward – a concurrent enrollment program for high school juniors and seniors.

Deliverables to the student: Students receive college credit for classes they take at their high school.

Number of Students served: For the fall 2006 semester 663 students participated in the Fast Forward and early admissions program.

Cost per student: Students pay $43 per credit hour (1/3 of the usual cost).

Data on the success of the collaborations: The college has applied for accreditation through the National Alliance of Concurrent Enrollment Partnerships. We have participation from 15 school districts.
Name of P-16 Collaborations/Partnerships: Liberty Partnership Program

Deliverables to the student: Students received college credit while taking COL 105 – Academic Planning Seminar that was offered at 2 area high schools.

Number of Students served: 32 students

Cost per student: This grant funded program paid for the books, tuition and fees.

Data on the success of the collaborations: This was our first year participating in this program which has a long history of increasing the probability that at-risk students will complete high school and continue at a post-secondary institution.
**Name of P-16 Collaborations/Partnerships:** Southern Tier Scholastic Science Fair

**Deliverables to the student:** Students receive mentoring while working with faculty and community experts; program provides access to cash awards and scholarships.

**Number of Students served:** Over 70 students participate annually.

**Cost per student:** There is a $15 fee to participate.

**Data on the success of the collaborations:** Over the past 5 years there has been greater participation from the community, both financially and providing personal services.
Name of P-16 Collaborations/Partnerships: Tech Prep/Career Pathways

**Deliverables to the student:** Early Childhood Education professional development, Articulations for early college credit. The students are actively engaged in the learning process and have the knowledge and skill they need to transition successfully from high school to postsecondary education and careers. Programs designed for secondary to postsecondary based on high demand high tech and high wages based on regional economic development.

**Number of Students served:** 2003-1,465 in a complete program 2004-956 2005-772 2006-545

**Cost per student:** Tech Prep funds under Perkins is only $165,000 per year but schools contribute and the college contributes

**Data on the success of the collaborations:** We have a very high success rate with none in remedial courses and average gpa moves from 2.5 to 3.
Name of P-16 Collaborations/Partnerships: Learn and Serve America Genesee Community College Tech Prep

Deliverables to the student: In 2007-2008, Tech Prep will help the Byron-Bergen Emergency Response Team (BBERT) evaluate new training programs associated with sheltering family pets in the event of a widespread emergency.

Number of Students served: We estimate that 20 students will participate in this school year.

Cost per student: The cost per student during the August 2007 initial training was $5.

Data on the success of the collaborations: BBERT has enjoyed a productive and ongoing relationship with the Genesee Community College Tech Prep program, but we have no data yet on this particular aspect of our collaborative efforts.
Name of P-16 Collaborations/Partnerships: Learn and Serve America

Union College, Schenectady, NY

Admission counselors from Union College present a 2 hour presentation to seniors in GIVE, the Scotia-Glenville High School service-learning program. They discuss admission procedures, model an effective interview, and give examples of good essay writing. Students are encouraged to ask questions and a meaningful dialog between both parties has proven to be beneficial to all participants.

High school student leaders presented their intergenerational programs to a Union College Aging and Society class.

60 high school students
30 college students

Approximately $5.00 per student

No measurable success of this program as evidence is anecdotal. In written reflection response document students speak highly of the help they received.
Name of P-16 Collaborations/Partnerships: Liberty Partnerships Program

The Liberty Partnerships Program at Centro Civico is a comprehensive Pre-Collegiate School Dropout Prevention program that targets at-risk Hispanic middle and senior high school students in the Amsterdam City School District.

Deliverables to the Student: Individualized student planning and case management; supplemental education services, academic, personal and family counseling services; crisis intervention; college/career exploration and placement assistance; parent engagement and support; cultural enrichment

Enrichment: Many of our 6-9th grade girls attended the Sister to Sister Summit at Fulton-Montgomery Community College. Parent Engagement: Parents were invited to attend a series of meetings with the superintendent of the Greater Amsterdam School District. The meetings discussed the 30% Hispanic drop out rate. The focus of these meetings is to encourage the parents to voice their opinions on how the school and the community at large is falling short of the premise of “No Child Left Behind”. The final of these meetings ended with former high school drop outs meeting with the high school principal, the superintendent and a representative from SUNY Albany. The students were encouraged to discuss why they dropped out when they did and what could have been done to discourage this decision.

Program success rates for the last five years. Centro Civico of Amsterdam, Inc LPP boasts a 98% successful graduation rate.

Where were Centro Civico LPP Grads headed in 2007? Fulton Montgomery Community College, Hudson Valley Community College, Pace University
Name of P-16 Collaborations/Partnerships: Liberty Partnerships Program - *Liberty Scholars*

The City College of New York Liberty Partnerships Program (*Liberty Scholars*) created in 1994, is a comprehensive intervention program that targets at-risk youth from the Harlem and Washington Heights communities. It was founded upon the belief that if young people are provided effective intervention, support, encouragement, and opportunities, they will gain necessary attributes to succeed in and adapt to a rapid changing society. The Program uses performing arts, sports, recreation, and other activities along with academic enrichment activities to encourage students to succeed in school at both the junior high school and high school levels.

**Deliverables to the student:** Supplemental education services, including tutoring & homework assistance, Regents and SAT Prep; academic, personal & family counseling; crisis intervention & advocacy; college/career exploration and placement assistance; summer enrichment programs and internships; field trips; parent workshops; cultural enrichment; recreation; mentoring; field trips & college tours

**Number of Students served:** 162

**Cost per student:**

**Data on the success of the collaborations:**
**Institution:** City College of New York: School of Education – STEP for 7th and 8th grades only  
**Contact:** Dr. Harold McKenna,  
**Telephone:** 212-650-7953  
**Email:** coeduc@msn.com

**Name of P-16 Collaborations/Partnerships:** Science and Technology Entry

**Deliverables to students:** Research projects and techniques along with web page development and enrichment in the sciences and technology

**Number of students served:** 40, from both 7th and 8th grades

**Data on Success:** this section I will submit separately, since my staff is busily organizing our various sources of competitions what were used in the past, and may also be used this year.

(a) Engineering Week, National Future City Competition: we had 4 three student teams that were invited to the regional finals at Polytechnic University where all the students won participation bronze medals and two of the four teams won special awards for Best Land Use and Most Futuristic City.

(b) National Science Decathlon: One team of 8 students was the only NYS team invited to the nationals held in Seattle Pacific University. The team won several event awards, including, Cranefly, a rubber band powered plane design and flight, and the best Scientific Method.

(c) Sally Ride Toy Challenge: Three teams of 13 students won at the regional level and were invited to the National Competition held in San Diego, CA at the Air and Space Museum. One three student team won a special award for Healthy Vibes called 'flatline' as the most educational game presented.

(d) Discovery Young Scientist Challenge: Two 8th grade female students were named as National Semi Finalists in the prestigious category for their project: Testing Hypotheses of Prey choice, Site stereotypy and predation success among Prunum speices: Implications for Morphological Evolution. They were the only two students in NYC so recognized. the award was featured in an article in the New York Post newspaper.
Name of Institution: The City College of New York Grove School of Engineering

Contact Person: Dr. A. Ramona Brown

Telephone: (212) 650-8043

Email: brown@ccny.cuny.edu

Name of P-16 Collaboration/Partnership: The Science and Technology Entry Program (STEP) at the Grove School of Engineering at The City College of New York had the support of the following major collaborators:

- Settlement College Readiness Program (SCRP)
- Science, Technology, Engineering and Mathematics (STEM) Institute
- City University of New York Black Male Initiative
- The City College of New York Urban Scholars Program
- Gateway Institute for Pre-College Education
- The City College of New York CSTEP (City College Academy for Professional Preparation)
- A. Philip Randolph Campus High School
- Center for the Advancement of Hispanics in Science and Engineering Education
- Grove School of Engineering Student Organizations
- National Science Foundation Center for Mesoscopic Modeling and Simulation
- New York City Alliance for Minority Participation

Deliverables to the students:

- Academic (Math and Science) Instruction and Standardized Test Prep Instruction
- Academic Advisement and Career Development
- Science, Technology, Engineering, and Mathematics (STEM) Internships
- Coordinated Tutoring
- High School and College-level Credit

Number of students served: 135

Data on the success of the collaborations:

The City College of New York Grove School of Engineering has been coordinating STEP for approximately one and a half years. Many of STEP’s partnerships such as those with the City University of New York Black Male Initiative, The City College of New York Urban Scholars Program, Gateway Institute for Pre-College Education, and A. Philip Randolph High School are primarily a source of marketing for STEP; each one serves as a pipeline of potential recruits especially participants from underrepresented backgrounds. The number of participants in Grove School of Engineering STEP (135) exceeded the number of participants that was projected (110) to participate in the program. The underrepresented minority population in The City College of New York Grove School of Engineering STEP was also very high (94.1%).
Name of institution: City College/ Gateway Institute for Pre-College Education
Contact person: Elisabeth Iler
Telephone: 212-650-6088
Email: gateway.cuny.edu

Name of P-16 Collaboration/Partnership: Science and Technology Entry Program (STEP) and any other major collaboration that your institution has in support of STEP

Gateway has nurtured several partnerships with museums including the American Museum of Natural History, research laboratories including Dolan DNA Learning Center, hospitals including Bellevue Hospital at NYU Medical Center, Mount Sinai Hospital and Sloan-Kettering Cancer Center, other institutions, foundations and universities to enhance the high school learning environment.

Deliverables to the students: Founded in 1986, the Gateway Institute prepares low income and minority New York City public high school students for college and the pursuit of health and science-related careers. Key features of Gateway include:

- A Team Approach - By keeping students and a team of teachers together throughout high school, Gateway maintains academic focus.
- Academically Rigorous Curriculum - Gateway stresses the importance of advanced placement courses, Regents curricula, and visits to explore college life and to learn about the academic requirements for the professions.
- Carefully Selected Teachers - Gateway teachers are committed to excellence, and Gateway provides its teachers with ongoing professional development.
- Summer Placements and Internships - Gateway career and college-oriented placements and internships provide students with opportunities to work with adults in professional settings.
- Unique Access and Partnerships - Gateway offers access to cutting-edge technologies in DNA laboratories for students and faculty.

Number of students served: 1,045

Data on the success of the collaborations: The following is a short list of the many accomplishments of Gateway and its students.

- On the SAT, Gateway students outscore—by 200 points—comparable minority students nationwide.
- A remarkable 97% of the 3,000 graduates of the Gateway program attended college and 80% graduated within five years (vs. 30% graduation rate nationally).
- A recent alumni survey showed that 10% of Gateway graduates attend medical school. That is 30 times the national rate for a ninth grade cohort.
- Gateway maintains contact with 85% of its graduates. Gateway facilitates networking among alumni and current students to maximize the success of college bound students.
Name of Institution: City College of New York - CUNY
Contact Person: Arlene Zimny (Federica Raia P.I.)
Telephone: 212.650.6227 / 212 650 -6466
Email: azimny1@aol.com
raia@sci.ccny.cuny.edu

Name of P-16 Collaborations/Partnerships: TOC Middle School Science Collaboration in Partnership with New York City Regions 1, 9 and 10
TLQP Integrated System for Professional Staff Development in Science Grades K-8
College courses: Life Science for Middle School Teachers I & II
Physical Science for Middle School Teachers I & II
The Nature of Science
Methods of Teaching Middle School Science
Science Curriculum for Middle School Teachers
Science Electives

Deliverables to the student:
- academic support: college advisement, on-site support, workshops, resource room. Students receive 3 hours of advisement per year and up to 24 hours of direct services at school sites depending on individual need.
- college credit: up to 11 credits per year depending on funding availability (minimum of 8 credits per academic year).
- graduation: depending on determination of needs, students may graduate with a master’s degree in middle school science (52 credits) or recertification in middle school science (for teachers working in middle school with Common Branches license) 39 credits. Each student is individually evaluated to determine the exact number of credits required based on official transcripts and personal goals.

Number of Students served: Fall 2006 – Summer 2007: 22

Cost per student:
1-The cost per student by the primary funding source: $1500.00 per student per year
2-The cost per student with any additional grants/contracts that the program may have in addition to the primary funding source: $3,693.33 per student per year.

Data on the success of the collaborations:
- The TOC project instituted the first Master’s Degree for Teachers of Middle School Science in New York City (2002)
- Over 90 percent of in-service TOC students have remained in teaching in the New York City Public Schools.

Of the pre-service teachers, only 2 have decided not to teach
The program has graduated 19 students with a middle school master’s since the first entries in 2002-2003.
City University of New York - Affiliated Schools

The Affiliated Schools are a group of schools that span Pre-K to 12th grade, and they reflect many of the distinctive educational options available to New York City public school students.

Services

The first five such college-school affiliations focused on providing opportunities to students considered to be at-risk. Individual colleges subsequently involved themselves in the establishment of new schools of a quite different type. This occurred at Queens, Kingsborough, Medgar Evers and Baruch, where schools designed to enroll a more diverse profile of students, including those at high achievement levels, were established.

The number of Affiliated Schools grew in 2002 when the Mayor requested that the University house three new exam schools at City, Lehman and York colleges. (Exam schools are highly competitive and require students to take the Specialized High School Admissions Test.) Further expansion of these partnerships occurred as part of the Department of Education’s major high school reform strategy, wherein community-based organizations and colleges were invited to become actively involved in the establishment of new small schools. The Center for School-College Collaboratives at Lehman College has been especially prominent in this work.

As of the writing of this report, twelve of the University’s colleges are affiliated with one or more of twenty-four New York City public schools (not including early colleges), and thirteen of the Affiliated Schools are located on CUNY’s campuses.

Affiliated Schools programming is characterized by ongoing, non-hierarchical conversations between college and school educators. College faculty members regularly work with affiliated schools teachers on matters of professional development and curriculum alignment, and in many of the schools, eleventh- and twelfth-grade students have the same opportunity as College Now students to enroll in college credit courses.

Until 2005, the goals of the Affiliated Schools were determined by each college-school affiliation. In 2006, Central Office dedicated staff to work closely with campus leaders to establish more precise definitions for the Affiliated Schools by setting goals and expectations for subsets of similar schools within the affiliated program.
## CUNY Affiliated Schools

<table>
<thead>
<tr>
<th>College</th>
<th>School</th>
<th>Year Affiliation Established</th>
<th>Grades in School Design</th>
<th>2005-2006 Enrollment</th>
<th>Location of School</th>
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<tr>
<td>Baruch</td>
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<td>1997</td>
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<td>City</td>
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<td>PreK-2</td>
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<td>LaGuardia</td>
<td>Newcomers HS</td>
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<td>Marie Curie HS for Nursing, Medicine and Allied Health Professionals</td>
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<td>New York City College of Technology</td>
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<td>2002</td>
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<td>371</td>
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</tr>
</tbody>
</table>

*Number of Students Served*

Information on number of students served by activities conducted through support provided by the University will be available in FY 08.
**Cost per Student**

The FY08 Affiliated Schools budget is $1,316,890. Per student costs will be available in FY 08.

**Data on Success**

Although each affiliation can point to activities and programs developed and implemented with Collaborative Programs funding, data collection on student participation and outcomes is limited, and at this time the overall success of these college-school affiliations needs to be documented. In spring 2006, a separate database was developed to collect and analyze data on student enrollment and achievement in credit courses in all of the Affiliated Schools.
The Early College Initiative seeks to work with the public schools to radically redesign the secondary school experience. Students enter CUNY’s early college schools in the 6th or 9th grade, study with a mix of high school and college faculty, and earn both a high school diploma and an associate degree (or two years of transferable credit) upon graduation.

Services

The first early college program at CUNY was developed as a pilot at Middle College and International High Schools at LaGuardia Community College in 2002. In 2003, Brooklyn College and Hunter College supported the launch of two new early college schools, and CUNY received a grant from the Bill and Melinda Gates Foundation to launch ten additional schools throughout the University.

The University’s Early College Initiative is part of the Gates Foundation’s national early college project, which has now led to the opening of more than 130 schools in partnership with a wide range of public and private postsecondary institutions. Although school models vary considerably, the national effort is guided by a commitment to admissions policies that ensure greater opportunities for students underrepresented in higher education (i.e. low-income, minority, immigrant, and/or first-generation college-going students) and school plans that enable students to earn up to two years of college credit by the time of high school graduation.

Staff from CUNY’s Early College Initiative office work to support these new schools through their planning and start-up years. A school’s planning year is critical to its long-term success, and CUNY often hires a prospective school principal a full year before the school’s anticipated launch. Once a school is operational, the university provides technical support and financial resources to ensure that the early college program develops into a sustainable model with long-term benefits for students.

During the planning year, each school planning team creates a curriculum that establishes a well-defined pathway for students to earn two years of college credit by the time they graduate from high school. This scope and sequence is developed jointly by the prospective principal, college faculty, high school teachers, and program staff from the Early College Initiative. It becomes the ‘roadmap’ for students’ progress through the school.

CUNY colleges are currently partnered with eleven early college schools. Among this group, two different structures are emerging. The first is a 7-year secondary school model, encompassing grades 6-12. In these schools, preparation for college begins in the 6th grade, and students are expected to begin college-level work in the ninth or tenth grade. To enable students who may enter the schools one or more grade levels below standard to meet the requirements for high school graduation and two years of college credit, these schools focus on building literacy and math skills in the early grades. They develop a coherent course sequence and curriculum that layers college-level coursework into the
regular academic schedule for every student. Currently, seven CUNY-affiliated early college schools follow this 6-12 model.

The remaining three schools are developing as 5-year early college programs, in which students enter in the ninth grade and typically begin college-level work in eleventh grade. Students who wish to complete the associate degree remain in the school for a thirteenth year.

**Number of Students Served**

<table>
<thead>
<tr>
<th>School</th>
<th>College Partner</th>
<th>Grades &amp; Enrollment at Full Capacity</th>
<th>Current Enrollment</th>
<th>Year Launched</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bronx Early College Academy</td>
<td>Lehman + Teacher Academy</td>
<td>6-12</td>
<td>567</td>
<td>162</td>
</tr>
<tr>
<td>Brooklyn College Academy</td>
<td>Brooklyn</td>
<td>7-12</td>
<td>569</td>
<td>569</td>
</tr>
<tr>
<td>City College Academy of the Arts</td>
<td>City</td>
<td>6-12</td>
<td>567</td>
<td>243</td>
</tr>
<tr>
<td>Hostos Lincoln Academy</td>
<td>Hostos</td>
<td>6-12</td>
<td>567</td>
<td>541</td>
</tr>
<tr>
<td>International High School</td>
<td>LaGuardia</td>
<td>9-13</td>
<td>500</td>
<td>487</td>
</tr>
<tr>
<td>Kingsborough Early College Secondary School</td>
<td>Kingsborough</td>
<td>6-12</td>
<td>567</td>
<td>162</td>
</tr>
<tr>
<td>Manhattan Hunter Science High School</td>
<td>Hunter College</td>
<td>9-13</td>
<td>450</td>
<td>400</td>
</tr>
<tr>
<td>Middle College High School</td>
<td>LaGuardia</td>
<td>9-13</td>
<td>500</td>
<td>494</td>
</tr>
<tr>
<td>Queens School of Inquiry</td>
<td>Queens</td>
<td>6-12</td>
<td>567</td>
<td>243</td>
</tr>
<tr>
<td>STAR at Erasmus</td>
<td>Brooklyn</td>
<td>6-12</td>
<td>575</td>
<td>440</td>
</tr>
<tr>
<td>York Early College Academy</td>
<td>York</td>
<td>6-12</td>
<td>567</td>
<td>162</td>
</tr>
<tr>
<td>1 or 2 Additional Schools</td>
<td>CUNY colleges</td>
<td>6-12</td>
<td>567</td>
<td>--</td>
</tr>
</tbody>
</table>

During 2006-2007, nearly 3,000 students were enrolled in CUNY-affiliated early college schools.

<table>
<thead>
<tr>
<th>Enrollment by Grade Level</th>
<th>6</th>
<th>7</th>
<th>8</th>
<th>9</th>
<th>10</th>
<th>11</th>
<th>12</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>470</td>
<td>189</td>
<td>31</td>
<td>537</td>
<td>548</td>
<td>594</td>
<td>490</td>
<td>2,932</td>
</tr>
</tbody>
</table>

**Cost per Student**

By 2014, when all the schools in the network reach full capacity, we anticipate that the incremental funding requirements for the CUNY-affiliated early college schools will reach approximately $6.7 million annually. This figure includes the cost of college tuition, textbooks, and program-related expenses. This is the equivalent of an additional $900 to $1,500 per student per year.

**Data on Success**

The first two schools that were developed as full early college programs both had their first graduating class in June, 2007. At STAR High School (partnered with Brooklyn College), the 4-year graduation rate for the first cohort of students was 97%, and Manhattan-Hunter Science High School
had a graduation rate of 95%, thus putting early college schools near the top of the list in New York City.

Collaborative Programs staff are in the process of developing a database for the Early College Initiative. Beginning in September 2006, ECI staff is coordinating data collection on student achievement at the early college schools developed by Brooklyn College, Hunter College and LaGuardia Community College—particularly as the first graduates of these schools move on to college.

In addition, we do have data regarding the characteristics of students enrolled in CUNY early college schools and they indicate that the schools are enrolling the intended beneficiaries of the early college model. According to DOE data, the ethnic/racial breakdown for students enrolled in early college schools in 2006-2007 was the following:

<table>
<thead>
<tr>
<th>Ethnicity</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hispanic</td>
<td>36%</td>
</tr>
<tr>
<td>Black</td>
<td>38%</td>
</tr>
<tr>
<td>White</td>
<td>9%</td>
</tr>
<tr>
<td>Asian</td>
<td>14%</td>
</tr>
<tr>
<td>Other</td>
<td>3%</td>
</tr>
</tbody>
</table>

In addition, 68% of the students were eligible for free or reduced price lunch; 4% were students with IEP's and 18% were English Language Learners.
City University of New York

Summer Intensive English Language Program (SIELP)

SIELP is an intensive English Language Program designed to help English Language Learners make a strengthened and successful transition to high school level studies. The Program, now in its tenth year, is coordinated by CUNY’s Office of Academic Affairs and is offered on four campuses of the University: Bronx Community College, City College, LaGuardia Community College and New York City College of Technology.

Services

Instruction is offered 30 hours a week for 6 weeks, including 4 hours a day of reading/writing/oral communication and research skill building, one hour of ESL-focused physical activity, and one hour of guided conversation at lunch with a teaching assistant. The curriculum engages students in an exploration of life in Colonial America and during the Revolution.

- Students read two historical novels, “My Brother Sam is Dead,” and “War Comes to Willy Freeman.” Visits to the New-York Historical Society’s Luce Center extend the focus to art and artifacts from the Colonial Period.
- Four compositions (three drafts each) and daily entries in a reading response journal are required of all students.
- All students spend one hour a day in a computer lab learning word processing skills and conducting an Internet research project.
- Trips of cultural interest in support of the curriculum are an important part of the program. Trip destinations (at least three per campus) include Colonial Bethpage, The Brooklyn Museum, and The Museum of the Moving Image.
- Weekly assessments of student progress are transmitted to parents.
- End-of-program assessments and writing samples (for each student) are forwarded to the appropriate high school principal at the conclusion of the program to assist in the placement process in the fall.
- A year around Saturday High School Transition Program is offered to students who complete the summer program.
- Since the Program’s inception, overall daily attendance has exceeded 90%.

Number of Students Served

The program served over 400 students during the summer of 2007, who entered more than 50 New York City High Schools this fall.

Cost per Student

The cost per student is $850.

Data on Success
Until recently, data on high school achievement by SIELP participants has not been available to the University. However, the University and the New York City Department of Education are concluding an agreement to allow for expanded data sharing and it is anticipated that a preliminary report on the longitudinal tracking of participants will be available later this year.
Name of P-16 Collaboration/Partnership: Science and Technology Entry Program (STEP) and any other major collaborations that your institution has in support of STEP.

STEP - IMPETUS for Career Success

Others collaborations include:

MSP programs (Math Partnership ended June 2007, STEM Partnership started July 2007)
NSF-funded GK-12 program Project-based Learning
Contributions to Safe Schools/ Healthy Students and 21st Century grants with St. Lawrence-Lewis BOCES

Deliverables to the students: (e.g. academic support, college credit, graduation, etc.)
STEP/ IMPETUS program: integrated math and physics based round Roller Coaster theme, includes academic support, summer Roller Coaster camp includes math, science and technology instruction; involvement of students in MATHCOUNTS, Science Olympiad etc.

Number of students served: unduplicated headcount (only count a student once per year).

STEP 82 students in 2006-7.

Other collaborative programs reached many more both directly and indirectly. IMPETUS materials were used in several local classes for approximately 50 other students.

Data on the success of the collaborations: Success over the past 5 years of the program. Statewide/national honors or recognition awards. Last year was our first year of the STEP program so it is too soon to have these outcomes yet.
The City College of New York Liberty Partnerships Program (Liberty Scholars) created in 1994, is a comprehensive intervention program that targets at-risk youth from the Harlem and Washington Heights communities. It was founded upon the belief that if young people are provided effective intervention, support, encouragement, and opportunities, they will gain necessary attributes to succeed in and adapt to a rapid changing society. The Program uses performing arts, sports, recreation, and other activities along with academic enrichment activities to encourage students to succeed in school at both the junior high school and high school levels.

**Deliverables to the student:** Supplemental education services, including tutoring & homework assistance, Regents and SAT Prep; academic, personal & family counseling; crisis intervention & advocacy; college/career exploration and placement assistance; summer enrichment programs and internships; field trips; parent workshops; cultural enrichment; recreation; mentoring; field trips & college tours

**Number of Students served:** 162

**Cost per student:** $1,158

**Where were College-Bound City College LPP Graduates headed in 2007?**

CUNY Borough of Manhattan Community College, CUNY City College, CUNY Brooklyn College, CUNY Hostos Community College, CUNY John Jay, CUNY Kingsborough Community College, Embry Riddle College, Fordham University, LeMoyne College, Morgan State University, New York University, Skidmore College, St. Johns University, SUNY Alfred, SUNY Brockport, SUNY Buffalo
**Name of Institution:** College of Staten Island  
**Name of Institution Contact Person:** Ms. Debra Evans-Greene / Dr. James Sanders  
**Telephone:** 718.982.2638 / 2556  
**E-mail:** Evans-greene@mail.csi.cuny.edu / sanders@mail.csi.cuny.edu

**P-16 Collaboration Partnership:** STEP/CSTEP, BMI, GEAR-UP & College Now

**Deliverables to the Students:** Academic Support, PAST/SAT Prep, Standardized Test Prep & College Entrance Exam Prep. High School students receive College credit for college now courses. Partner with other STEP programs on College tours and Albany conference. Juniors and seniors visit STEP and CSTEP programs in Manhattan, Brooklyn and Queens.

**Number of Students Served:** 95 students in grades 7th thru 12th on Saturday Mornings

In 2003, Sixty seven percent of the STEP students achieved averages of 80 and above and all students were promoted to the next grade level. Five of our graduating seniors received regent’s diplomas. The College of Staten Island placed 1st and 4th at the State wide student conference in Albany.

In 2004, Thirty percent of the STEP students achieved averages of 90 and above and Fifth percent had averages of 80 and above. All students were promoted to the next grade level, and all graduating seniors were accepted to the college of their choice. Our students won 1st place in the middle division at the State wide conference in Albany.

In 2005 Student overall averages were 83% and all students were promoted to the next grade level. Our three seniors were accepted to the college of their choice. Attendance with the STEP program was 90%. Our students won 1st place in the middle division at the state wide conference in Albany.

In 2006, 18% of the STEP students achieved grade point averages of 90; 62 % above 80; and 92% above 70. Six out of seven graduates were accepted to the college of their choice, one student went on a full scholarship to the University of Pennsylvania and another on a partial scholarship to Northwestern University. Our project won 1st place in the middle division at the student State wide conference.
**Columbia University**

<table>
<thead>
<tr>
<th><strong>Name of Institution</strong></th>
<th>Columbia University, College of Dental Medicine</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Contact person</strong></td>
<td>Dr. Marlene Klyvert</td>
</tr>
<tr>
<td><strong>Telephone</strong></td>
<td>(212) 305-3573</td>
</tr>
<tr>
<td><strong>Email</strong></td>
<td><a href="mailto:mk29@columbia.edu">mk29@columbia.edu</a></td>
</tr>
</tbody>
</table>

**Name of P-16 Collaboration/Partnership:** Science and Technology Entry Program

**Collaboration/Partnerships:**

Columbia University School of Continuing Education, Summer Program for High School Students

For a number of years select STEP students have been offered the opportunity to take classes and stay on campus as part of the SPHSS.

Summer Research Program for Secondary School Science Teachers

Columbia University

High school science teachers who have participated in the program have provided special science lessons for the STEP summer program for 7th-9th graders.

College of Dental Medicine

Columbia University

The dental school has provided summer job opportunities for recommended STEP students who receive minimum wage during July as part of the “Earn As You Learn” program.

**Deliverables to the students:**

STEP students receive academic instruction in English, math and science. They also receive Regents and SAT preparation and enjoy a formal graduation ceremony with their parents, guests, and STEP faculty. They also receive tutoring and career counseling.

**Number of students served:** 115 in 2006/2007.

**Awards:** Received monetary award in 06/07 from the Metropolitan Chapter of the Jack & Jill Foundation.
Name of Institution: Daemen College
Contact Person: Adriane Williams
Telephone: (716) 839-8275
E-mail: awilliam@daemen.edu

Name of P-16 Collaboration/Partnership: Liberty Partnerships Program

The Daemen College Liberty Partnerships Program (DCLPP) offers pre-collegiate school dropout prevention services to students enrolled in grades 6-12 attending schools in the Buffalo City School District.

Deliverables to the student: Supplemental education services, including tutoring & homework assistance and SAT Prep; academic, personal & family counseling; crisis intervention & advocacy; college/career exploration and placement assistance; summer enrichment programs and internships; field trips; parent engagement; cultural enrichment; mentoring; field trips & college tours

Student Enrollment: 198
Total Number of Students Served (since 2002)
Approx. 1100 students

Cost per student:
SED/LPP Resources: $1,091

Data on the success of the collaborations:

- 100% student/school persistence rate
- Approximately 18% of all DCLPP students consistently make the Honor or Merit Roll
- 98% of graduating seniors go to college
- Awards/Achievements Earned by Liberty Students: General Mills-Challenge U Scholarship, Mary B. Steward Scholarship, Robert Bapst Scholarship, Administrators Leadership Award, NY Lottery-Leaders of Tomorrow Award, Doris Beale Sager Award, Buffalo Teachers Federation Award of Excellence Award, Florence Johnston Award, DCLPP Book Scholarship, DCLPP Next Step Scholarship
- Senior Class Presidents members of DCLPP
- Graduating Class Salutatorian, member of DCLPP

Where were Daemen College LPP graduates headed in 2007?
Canisius College, Clark Atlanta University, Erie County Community College, Hilbert College, State University College at Buffalo, SUNY Buffalo, Trocaire College
**Institution:** Daemen College  
**Contact Person:** Jeff Arnold  
**Telephone:** (716) 839-8379  
**Email:** Jarnold@daemen.edu

<table>
<thead>
<tr>
<th>Name of P-16 Collaborations/Partnerships:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Daemen College Teacher Preparation Program</td>
</tr>
<tr>
<td>Daemen College Natural Sciences Department</td>
</tr>
<tr>
<td>The Buffalo Public Schools</td>
</tr>
<tr>
<td>Diocese of Buffalo</td>
</tr>
<tr>
<td>Buffalo Zoo</td>
</tr>
<tr>
<td>Buffalo Museum of Science</td>
</tr>
<tr>
<td>Western New York Math Council (MNYMATH)</td>
</tr>
<tr>
<td>WNY Section STANYS</td>
</tr>
<tr>
<td>Buffalo-area Engineering Awareness for Minorities (BEAM)</td>
</tr>
</tbody>
</table>

**Deliverables to the student:**  
For in-service teachers: Stipends, technology (digital camera and scanner), college and/or in-service credits, teaching supplies and training  
For pre-service teachers: Academic support, college credit, graduation

**Number of Students served:**  
Estimation: 35 teachers * 25 students/teacher + 50 college students = 925

**Cost per student:** (1-The cost per student by the primary funding source; and 2- The cost per student with any additional grants/contracts that the program may have in addition to the primary funding source)  
1) $156,000/925 students ~$170/student  
2) $80,000/925 students~ $85/student

**Data on the success of the collaborations:**  
- Ten percent increase in state scores in math and science at both the elementary and intermediate levels.  
- Over 30 program participants have become GESA Turnkey trainers.  
- Cooperating teachers have hosted over 100 student interns in Buffalo.  
- Each teacher intern has written and presented a learning experience during a peer review session.  
- Over 20 Buffalo Teachers have presented a learning experience during a peer review session.  
- Over 10 Buffalo Teacher are currently working to post learning experience on our TLQP web site.
Name of P-16 Collaborations/Partnerships: Learn and Serve America - Syracuse University

Deliverables to the student:
Support to service learning project, mentoring opportunities with students

Number of Students served: 25

Cost per student:

Data on the success of the collaborations: Program is just getting underway this year.
Fordham University

**Name of Institution:** Fordham University Graduate School of Education  
**Contact Person:** Ann Marie Ciaramella  
**Telephone:** 914-779-3379  
**E-mail:** ciarava@aol.com

**Collaboration/Partnerships:** TLQP, Yonkers Public Schools, The Biondi Education Center at Leake and Watts, St. Peters School, Sacred Heart School Elementary School, The Orchard School, The Richard Gazzola Teachers Center, The Bronx Zoo/Wildlife Conservation Society

**Deliverables to the Participants:** college credit, stipends, access to all TLQP professional development offerings to teachers, both within the District and outside (ex. GESA training, PDS Conference, Holmes Conference, STANYS Conference)

**Number Served:** 14 students, 151 teachers and administrators, 9 faculty

**Cost Per Participant:**
- Primary – approximately $925 per participant
- Additional – approximately $300 per participant

**Data on the Success of the Collaboration:**
- The District has endorsed and is adopting the science network model initiated through this grant initiative.
- Due to Yonkers middle school science teacher strong requests, the TLQP initiative led by another university has adopted the network model.
- All Fordham students who have been grant participants have passed NYS Teacher Certification Examinations and been licensed.
- The Fordham Graduate School of Education and Wildlife Conservation Society have collaboratively designed a masters program focused on ecological studies. This is an outgrowth of the collaboration initiated by this grant initiative.
- The Cedar Place Professional Development School was recognized by the New York State Business Council as outstanding due to increases in student achievement levels. Fordham has worked with this school in a PDS relationship since it design stage before opening to the present.
- Regents examination results in science have improved compared to those prior to the initiation of this grant initiative.
- Grant participants make up the majority of the core members of the Yonkers Public Schools NYS ECLIPSE Team which is focused on science education in NYS.
- Teachers who are grant participants have become adjunct professors and guest speakers at Fordham.
- Two of the teacher participants who have been trained as facilitators through co-facilitation of grant activities have been assigned as Assistant Director for Science and Assistant Principal by the Yonkers Board of Education.
Name of institution: Fordham University
Contact person: Michael A. Molina
Telephone: (718) 817-3266
Email: molina@fordham.edu

Name of P-16 Collaboration/Partnership: Science and Technology Entry Program (STEP) and any other major collaboration that your institution has in support of STEP.

- KAPLAN Test Review: Provide SAT and Sci-High review classes for STEP students
- Fordham University Physics, Biology and Chemistry Department faculty serve as STEP instructors
- Fordham University Regional Education Technology Center (RETC) provides robotics instruction.
- CSTEP provides undergraduate student mentors for STEP participants.
- I-LEAD and Fordham STEP conduct annual college tours together and are members of a college prep coalition that provides activities for an all-male leadership initiative.
- Albert Einstein College of Medicine provides medical school mentors and career workshops on health careers.
- Fordham University Career Planning & Placement Office provides leadership training and career development activities to STEP high school students.

Deliverables to the students:

- Grade appropriate science, mathematics and writing coursework for STEP students in grades 7-12 during the academic year and the five-week summer program.
- Tutorials for students after school during the school year.
- Field trips to cultural institutions including the Museum of Natural History, Franklin Institute in Philadelphia, Liberty Science Center, Mystic Aquarium in Connecticut, Wolf Conservation Center. Hudson River Sloop.
- College preparation seminars for students and parents.
- High school information sessions for middle school students and parents.
- Participation in STEP Statewide Student Conference.
- Participation in all male and female leadership conferences.
- Robotics training for 8th and 9th grade students.
- Career development seminars for 11 and 12th grade students.
- Kaplan SAT Test Review course for 11th grade students.
- Kaplan Sci-High Review course for 8th grade students taking NYC Specialized High Schools exams and TACHS exams.
- Academic, career, financial aid and personal counseling for all STEP participants.
- Graduated 11 high school students; graduated 28 middle school students to high school.

Number of students served: 200.

Data on the success of the collaborations:

- Collaboration with Albert Einstein College of Medicine provided funding through HCOP grant for internships, academic enrichment classes and career seminars.
- RETC Center provided robotics training to Dewitt Clinton High School Macy Program students and teachers.
- Participation of Fordham University science department faculty in STEP has provided access to laboratories and other science resources on campus.
- CSTEP provides role models for STEP participants.
Name of P-16 Collaborations/Partnerships: Learn and Serve America Program

Syracuse University

Deliverables to the student:
Support to service learning project, mentoring opportunities with students

Number of Students served: 800

Cost per student:

Data on the success of the collaborations: (Program is just getting underway this year.)
Collaboration/Partnership: Science and Technology Entry Program (STEP)

Deliverables: Wilbur H. Lynch Literacy Academy
Grades 7 – 8
1 class/week
Amsterdam High School
Grades 9 – 12
1 class/week
Fulton Montgomery Community College
Grades 9 – 12
Saturday Academy
1 class/week
Fulton Montgomery Community College
Grade 12
Early Admission Program
Students fulfilling high school requirements and acquiring college credit by attending FMCC classes.

Students Served: 38

Success of Collaboration:
- honor roll
- certificates of merit from Senator Hugh Farley
- National Honor Society Membership
- National Society of High School Scholars membership
- invitation to National Leaders Conference, Washington, DC
- scholarships:
  Latino Scholarship Award – “Dollars for Scholars”
  SUNY Albany Scholarship
  (75% of graduates received scholarships in 2004 – 2005)
- 100% graduation rate
- all graduates continuing on to higher education
- graduates accepted at: Rensslelear Institute of Technology, Boston College, Rochester Institute of Technology, SUNY Buffalo, Fulton Montgomery Community College, Hudson Valley Community College, etc.
Name of P-16 Collaborations/Partnerships: Liberty Partnerships Program (LIFE)

Targeting middle and senior high school students in rural, economically disadvantaged communities, this LPP offers school-based, extended day services through the collaborative resources of the community. The collaboration between the participating school districts, Genesee Community College, SUNY Brockport and the Oleans and Monroe County business/not-for profit community is designed to enrich the educational experiences and improve the academic performances and aspirations of enrolled students.

**Deliverables to the student:** Supplemental education services, including summer and academic year tutoring & homework assistance, Regents Review and SAT Prep; case management; academic, personal & family counseling; crisis intervention & advocacy; college/career exploration and placement assistance; summer enrichment programs and internships; field trips; parent workshops; cultural enrichment; mentoring; field trips; college tours; and, home visits

**Number of Students served:** 230

**Cost per student:**
SED/LPP: $1,050
SED/LPP & Other Sources: $1,265

**Data on the success of the collaborations:**

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<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Student/School Persistence Rate</td>
<td>100 %</td>
<td>100%</td>
<td>98%</td>
<td>97.8%</td>
<td></td>
</tr>
<tr>
<td>Graduation Rate</td>
<td>100%</td>
<td>86%</td>
<td>100%</td>
<td>75%</td>
<td>100%</td>
</tr>
<tr>
<td>College-Going/Workforce Entry Rate</td>
<td>80%</td>
<td>72%</td>
<td>100%</td>
<td>75%</td>
<td>64%</td>
</tr>
</tbody>
</table>

**Where the College-Bound Genesee Community College LPP Graduates headed in 2007?**
Genesee Community College, Monroe Community College
Name of Institution: Genesee Community College
Contact Person: Ed Levinstein, Director of ACE Programs
Telephone: 585-343-0055 ext. 6300
Email: ejlevinstein@genesee.edu

Name of P-16 Collaborations/Partnerships: Advanced Studies and College Today

Deliverables to the student: College Credit; students also enjoy all privileges of any other college student including online access to the college and advisement.

Number of Students served: approximately 2700 per academic year

Cost per student: Students pay a tuition rate of $48 per credit hour (2006-07 and 2007-08 rate).

Data on the success of the collaborations:

Advanced Studies and College Today have enjoyed an average growth rate of about 4% each year for the past 5 years.
**Hofstra University**

Name of Institution: Hofstra University  
Contact Person: Kimberly Havens  
Telephone: (516) 463-6567  
Email: kimberly.haven@hofstra.edu

**Name of P-16 Collaborations/Partnerships:** Liberty Partnerships Program

Serving Nassau County School Districts, the Liberty Partnerships Program at Hofstra provides at-risk youth enrolled in grades 9-12. The program offers afterschool services at each high school and Saturday services on the Hofstra University Campus and services during the summer.

**Deliverables to the student:** Supplemental education services, including summer and academic year tutoring & homework assistance, Regents Review; SAT Prep and enriched academic courses; academic, personal & family counseling; crisis intervention & advocacy; college/career exploration and placement assistance; summer enrichment programs and internships; field trips; parent workshops; cultural enrichment; mentoring; field trips; college tours; and, home visits

**Number of Students served:** 210

**Cost per student:**

- SED/LPP $1,146
- SED/LPP & Other Sources $1,216

**Data on the success of the collaborations:**

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<tr>
<td>2002-2003</td>
<td>75%</td>
<td>72.1</td>
<td>115.8%</td>
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11 LPP students graduated with Advance Regents Diplomas, 2 LPP students received Advances Regents/International Baccalaureate Diplomas

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<td>2002-2003</td>
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<td>2002-2003</td>
<td>93.3%</td>
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<td>2002-2003</td>
<td>3.3%</td>
<td>9.7%</td>
<td>22.7%</td>
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**Where are 2007 Hofstra LPP Grads headed?**  
Nassau Community College, SUNY New Paltz, Delaware State University, SUNY Potsdam, Tufts University, Harvard University, Hofstra University, Morgan State University, Dowling College
Name of P-16 Collaboration/Partnership: Science and Technology Entry Program (STEP) Major collaborations is support of STEP: Brookhaven National Laboratory, Cold Spring Harbor, Kaplan Review, Collegiate Science & Technology Entry Program and Hofstra University including the various schools and colleges

Deliverables to Students: 1) preparation for standardized exams (Regents, SAT, PSAT, ACT and SAT1), 2) research experience and presentation (Brookhaven National Laboratory, Cold Spring Harbor and the Annual Statewide STEP Conference), 3) mini-courses in technical fields (Robotics, Technology and the Sciences) and 4) mentorship and faculty colloquiums (university faculty, community leaders, CSTEP students). Preparation for undergraduate education also includes college tours and various workshops (financial aid and scholarships) as well as academic counseling and support services.

Number of Students Served: 258 (funded for 200)

Data on the Success of the Collaborations: Through the combined efforts of the Science and Technology Program at Hofstra University experiences through BNL, Cold Spring Harbor over 98% of the 2006-2007 graduating class was accepted into college. Many students have been recognized and received awards for research projects.
**Institution:** Hofstra University  
**Contact Person:** Anthony E. Robinson, Ph.D.  
**Telephone:** 516-463-5780  
**Email:** Anthony.robinson@hofstra.edu

Name of P-16 Collaborations/Partnerships: Teacher/Leader Quality Partnerships is collaborating with the Science and Technology Entry Program at Hofstra University.

**Deliverables to the student:** Provide assistance with introducing and supporting instructions in Robotics for participating schools.

**Number of Students served:** This past year Robotics was introduced in four classrooms totaling roughly 70-80 students.

**Cost per student:** (1) The cost per student by the primary funding source equaled roughly $75 per student, while (2) the cost per student for STEP equals roughly $937.00.

**Data on the success of the collaborations:** Success rates over the life of the program equals an increased interested in learning more about and competing more fully in Robotics competitions. The collaborating program actually won honors prior year, stemming possibly through a richer understanding of Robotics via involvement with other students.
Hostos Community College

Name of Institution: Eugenio Maria Hostos Community College
Contact Person: Jose Encarnacion
Telephone: (718) 518-4189
Email: jencarnacion@hostos.cuny.edu

Name of P-16 Collaborations/Partnerships: Liberty Partnerships Program

Targeting high school students in the South Bronx, the Liberty Partnerships Program at Hostos Community College offers afterschool, weekend and summer programming on the College Campus designed to acclimate its students to the College environment. The LPP offers comprehensive services to lift the academic performance, while introducing them to enriched experiences leading to careers related to math, science, health and the arts. Hostos LPP continues the pilot “Empire Promise Nurse Opportunity Corp” as a featured offering and continues relations with college-going LPP students through summer internships with community partners.

Deliverables to the student: Supplemental education services, including summer and academic year tutoring & homework assistance, Regents Review; SAT Prep and enriched academic courses; academic, personal & family counseling; crisis intervention & advocacy; college/career exploration and placement assistance; summer enrichment programs and internships; field trips; parent workshops; cultural enrichment; mentoring; field trips; college tours

Number of Students served: 354

Cost per student: $604

Where were 2007 Hostos LPP Grads headed? SUNY Old Westbury, Skidmore University, NYU, Fordham University, CUNY- Borough of Manhattan Community College, Syracuse University, CUNY- City College, CUNY Lehman College, SUNY Binghamton University, CUNY Hunter College, Hofstra University, SUNY Albany, Nazareth University, St. Bonaventure University, CUNY John Jay College, CUNY Medgar Evers College, SUNY Potsdam, CUNY City College, DeVry University, University of Pennsylvania
Name of Institution: HOSTOS Community College - STEP Proyecto Access
Contact person: Mr. Moise Koffi
Telephone: 718-518-6774
Email: mkoffi@hostos.cuny.edu

Name of P-16 Collaboration/Partnership: Science and Technology Entry Program (STEP) and any other major collaboration that your institution has in support of STEP. College Now, Alliance for Minority Participation, South Bronx Economic Development, SISDA, Summer Youth Employment Program and HOSTOS Community College and Public schools from Regions 1 and 9.

Deliverables to the students: 3 high school credits after completion of the 3 years in PREP. Awards: Medals, Trophies, and Certificates.

Number of students served: unduplicated headcount 194 (summer 2006-2007)

Data on the success of the collaborations: Success over the past 5 years of the program. Statewide/national honors or recognition awards. The number of students graduated from 2003-2007: 120 students graduated from the STEP program at HOSTOS COMMUNITY COLLEGE. The National Aeronautics and Space Administration (NASA) recognized STEP Proyecto Access for its leadership in Math, Science and Technology.
**Name of P-16 Collaborations/Partnerships:** Learn and Serve America
Brittonkill Educational Enrichment Program (BEEP)

**Deliverables to the student:** Teacher preparation students from HVCC will design courses for the BEEP program, an after-school enrichment program for elementary students K-5 offered for 6 weeks every winter.

**Number of Students served:** Depending on the number of courses offered by the HVCC students there would be between 15-30 elementary-aged students served.

**Cost per student:**
There would be no cost per student from LSA, BEEP is a self-sustaining program coordinated by the Service Learning Coordinator for the District. BEEP charges a basic $10 per student participant fee that covers the cost of materials/supplies/snack. BEEP would pay the volunteering college students 40 cents per mile for their mileage to/from the college to our campus.

**Data on the success of the collaborations:** This is the first year we are anticipating this collaboration, there is no data available as to the success of this program.
**Name of Institution:**  Hudson Valley Community College/Sage College  
**Contact Person:**  Nancy Mosher  
**Telephone:**  518-629-4977  

**Name of P-16 Collaborations/Partnerships:**  Learn and Serve America - Student Evaluation Support  

**Deliverables to the student:**  Physical Education students from the HVCC/Sage College teacher preparation program come in, through their college courses and serve as support staff assisting our staff on student physical fitness evaluations.  

**Number of Students served:**  400 elementary students 2-5  

**Cost per student:**  
There is no cost for this service, it occurs during the purview of the college students’ teacher preparation courses.  

**Data on the success of the collaborations:**  This is the first year (2007-2008) of this programming within our school district. There is no data available.
**Name of Institution:** Hunter College  
**Contact Person:** Jenna Tutjer  
**Telephone:** (212) 772-5516  
**Email:** jtutjer@hunter.cuny.edu

**Name of P-16 Collaborations/Partnerships:** Liberty Partnerships Program

The Hunter College Liberty Partnership Program (HCLPP) has collaborated with schools and community groups to serve as a comprehensive drop-out prevention and educational enhancement program since 1989. Through the years, Hunter College has been committed to the Liberty Partnership Program and has continued to lend its support and expertise to ensure that at-risk youth are prepared for work and/or higher education. HCLPP provides comprehensive social services, educational support, and cultural and recreational activities that are designed to encourage youth to: 1) stay in school and achieve maximum educational potential, 2) explore academic and vocational options, 3) acquire the knowledge and skills necessary to achieve goals after graduating from high school, and 4) to enter college or a meaningful entry level position in the workforce.

**Deliverables to the student:** Supplemental education services, including summer and academic year tutoring & homework assistance, Regents Review and SAT Prep; case management; academic, personal & family counseling; crisis intervention & advocacy; preventative health workshops; college/career exploration and placement assistance; summer enrichment programs and internships; field trips; parent workshops; cultural enrichment; mentoring; field trips; college tours; and, home visits

**Number of Students served:** 277

**Cost per student:**  
SED/LPP: $910  
SED/LPP & Other Resources: $1,067

**Data on the success of the collaborations:**

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<tbody>
<tr>
<td>Student Persistence Rate</td>
<td>100%</td>
<td>96%</td>
<td>100%</td>
<td>98.1%</td>
<td>99.9%</td>
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</table>

**Where were 2007 Hunter LPP Grads headed?**
CUNY Baruch College, CUNY Borough of Manhattan Community College, CUNY Bronx Community College, CUNY City College, CUNY John Jay College, CUNY Lehman College, SUNY Morrisville
Name of Institution: Hunter College  
Contact Person: Mae Gamble  
Telephone: 212-772-4680  
Email: mae.gamble@hunter.cuny.edu

Name of P-16 Collaborations/Partnerships: Schools – PS 37, 96, 108, 112, 171, 182, 206

Deliverables to the student: College credit, mentor from school, support with teaching from a college professor

Number of Students served: 14-18

Cost per student: $4,938

$2,924 from TLQP and partnership schools

Data on the success of the collaborations: The test scores for our TOC schools, (PS 37, 96, 108, 112, 171, 182, 206), are included as an attachment. PS 96 and PS 108 received awards for improvement in test scores. PS 108, 171 and 182 have the highest scores in the District and over ¾ of their staff have been trained in the TOC Program. Ninety-four percent of the students that went through the program are still teaching.
Institute for Student Achievement

Name of Institution: Institute for Student Achievement
Contact Person: Chotsani Williams
Telephone: (516) 812-6790
Email: cwilliams@isa-ed.org

Name of P-16 Collaborations/Partnerships: Liberty Partnerships Program
This Liberty Partnerships Program is a collaborative effort of the Institute for Student Achievement and Adelphi University. This LPP collaboration is unique as it endeavors to extend systemic and multi-dimensional services to a school engaged in restructuring. ISA and its partner colleges provide direct supplementary educational services to students as Adelphi University provides embedded coaching support to the staff and faculty of the high school on curriculum development, inquiry-based and differentiated instruction and distributed counseling.

Deliverables to the student: School and Campus-based supplemental education services, including summer and academic year tutoring & homework assistance, Regents Review; SAT Prep and enriched academic courses; academic, personal & family counseling; crisis intervention & advocacy; college/career exploration and placement assistance; summer enrichment programs and internships; field trips; home visits, parent workshops; cultural enrichment; mentoring; field trips; college tours

Number of Students served: 384

Cost per student: $752

Data on the success of the collaborations:
Although the High School still remains a low performing school, the ISA LPP supports, in concert with other school efforts, has resulted in improved student achievement and attendance and lower suspension rates at the school, resulting in the school being removed from the SURR list. According to the latest New York State School Report Card, student attendance is at 85%, and the number of student suspensions have reduced from 330 in 2002 to 205 in 2005. When we examine Regents passing rates with a score of 55%, we see improvement in all areas, compared to the 2004 passing rate: on the Comprehensive English Regents examination, 78% of students passed (compared to 71%); on the Math A Regents, 85% passed (compared to 78%); on Global History, 67% passed (compared to 63%), on US History and Government, 82% passed (compared to 73%), on Living Environment, 69% passed (compared to 64%). It is our expectation that when the full restructuring of the school is completed, student achievement will show substantial improvement.

<table>
<thead>
<tr>
<th>Year</th>
<th>Student Persistence Rate</th>
<th>Graduation Rate</th>
<th>College-Going Rate</th>
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<tbody>
<tr>
<td>2002-2003</td>
<td>100%</td>
<td>82.1%</td>
<td>93.8%</td>
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<tr>
<td>2003-2004</td>
<td>100%</td>
<td>77.4%</td>
<td>64.6%</td>
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<tr>
<td>2004-2005</td>
<td>100%</td>
<td>97.8%</td>
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<td>2005-2006</td>
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<tr>
<td>2006-2007</td>
<td>100%</td>
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Where were 2007 ISA LPP Grads headed?: Adelphi University, Claflin University, Clark Atlanta University, College of New Rochelle, Cornell University, CUNY Brooklyn College, CUNY City College, CUNY Hunter College, CUNY John Jay College, CUNY York College, Central Pennsylvania College, Fisk University, Frostburg State University, Hofstra University, Howard University, Long Island University, Manhattanville College, Marist College, Massachusetts School of Pharmacy, Morgan State University, Mt. Holyoke College, Morehouse College, Nassau Community College, New York Technical Institute, New York University, North Carolina AT&T, St. Johns University, Siena College, Skidmore University, SUNY Albany, SUNY Buffalo, SUNY Cobleskill, SUNY Cortland, SUNY Farmingdale, SUNY Geneseo, SUNY Stony Brook, SUNY Old Westbury, SUNY Fashion Institute of Technology, Syracuse University, Tuskegee University, Virginia State University
Iona College

Name of Institution: Iona College
Contact Person: Colleen McPhail
Telephone: (914) 633-2251
Email: cmcphail@iona.edu

Name of P-16 Collaborations/Partnerships: Liberty Partnerships Program

Iona College’s Liberty Partnerships Program offers a comprehensive 12-month program with a range of high-quality academic immersion and student support services to 121 at risk students. Iona College’s LPP program prepares students for learning and that is designed to increase literacy in all content areas. The program is comprehensive providing academic immersion and support services and providing student support, provide targeted instruction and tutoring in core content areas that are aligned with learning standards and curriculum that concentrates on skill development, provide resource materials on instructional strategies, administer Regents type diagnostic tests to design student instruction, teach students a standardized method of note-taking, provide academic planners and student handbooks, homework assistance, academic learning centers, after-school homework assistance and study skills, and test taking strategies, provide academic planners and student handbooks to students and parents, computer-assisted learning, and weekly outreach effort to parents and students.

Deliverables to the student: School and Campus-based supplemental education services, including summer and academic year tutoring & homework assistance, Regents Review; SAT Prep and enriched academic courses; academic, personal & family counseling; crisis intervention & advocacy; college/career exploration and placement assistance; healthy choices/wellness programs, summer enrichment programs and internships; field trips; home visits, bi-lingual parent workshops; cultural enrichment; mentoring; field trips; college tours

Number of Students served: 121

Cost per student:
SED/LPP: $1,178
SED/LPP & Other Sources: $1,400

Data on the success of the collaborations:

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<td>Student Persistence Rate</td>
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<td>Graduation Rate</td>
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<tr>
<td>College-Going Rate Workforce</td>
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Where were 2007 Iona LPP Grads headed?
CUNY City College, India, Mercy College, Monroe College, Westchester Community College.
Name of Institution: Iona College  
Contact Person: Tammy Ryan  
Telephone: (914) 637-2775  

Name of P-16 Collaboration/Partnership: Science and Technology Entry Program (STEP)  

Other collaborations that your institution has in support of STEP:  
- APACS  
- Duchess Community College, Manhattanville College, Mercy College, and SUNY Purchase STEP programs for DOS  
- Other programs having similar purposes were co-coordinated with STEP. These include Liberty Partnership, Gear Up, 21st Century Community Learning Centers Program and Service Learning Program  
- Partnerships with Gorton High School, Yonkers Middle/Senior High School and Cardinal Hayes High School  

Deliverables to Students:  
- Tutoring in mathematics, the sciences, computer technology  
- Support and instruction to achieve higher levels on NYS Regents, PSAT and SAT tests  
- College preparation, career development, job preparation  
- Workforce preparation, SCANS, and computer training for both students and parents  
- Counseling and advisement  
- Internship placement  
- College exploration and awareness  

Number of Students Served: For the 2006-2007 year, 128 students were served.  

Data on the Success of the Collaborations: Past Five Years  
- “Project outcomes for July 1998 through June 2005 were:  
  - Of 197 graduating seniors who participated in Iona’s STEP program, 190 (96%) attended college within the same year of their graduation  
  - One hundred twenty-two, (64%), attended 4-year colleges or universities for fall admission  
  - Sixty-eight, (36%), attended 2-year colleges  
  - Several earned full or partial scholarships  
  - One hundred forty-five, (76%), intended to pursue studies in areas related to the STEP focus  
  - Of all 190 STEP students attending college, there has been over a 90% retention rate”  

Please note that the statistics referenced above are from the 2006-2010 grant application made by Iona College to the New York State Department of Education.  

Statewide/National Honors or Recognition Awards: None known at this time.
Jefferson Community College

Name of Institution: Jefferson Community College
Contact Person: Katherine F. Fenlon, VP for Academic Affairs
Telephone: 315-786-2235
Email: kfenlon@sunyjefferson.edu

Name of P-16 Collaborations/Partnerships:
1. College courses in the high schools (on-site and via ITV)
2. Kiddie Colleges (grades 1-8)
3. College is Possible (grades 6-12—outreach to 1st generation college)

Deliverables to the student:
1. Early college credit
2. Career awareness, skill-building
3. Career planning, academic planning, college preparation, increased aspiration to attend college

Number of Students served:
1. 350 students/semester
2. 150 students/annually
3. 1000 students/annually

Cost per student:
1. 1/3rd of usual tuition rate
2. depending on which “kiddie college” – From $40 to $175 (some grant support off sets cost for Camp Med kiddie colleges; most costs are in $40 to $70 range)
3. no cost to student for College is Possible activities

Data on the success of the collaborations:
1. students report being well prepared for next-level college course when they enroll in an on-campus college experience
2. enrollments in kiddie colleges continue to be robust
3. data show an increasing % of students on our County going to College
Name of Institution: John Jay College of Criminal Justice
Contact Person: Gregory Bryant
Telephone: (212) 237-8055
Email: gbryant@jjay.cuny.edu

Name of P-16 Collaborations/Partnerships: Liberty Partnerships Program

John Jay College Liberty Partnerships Program offers comprehensive, year-round services to at-risk students traveling through the five boroughs to attend high school at three Manhattan sites in close proximity to the College. The JJCLPP offers a six-week LPP summer institute on its Campus and school-based supplemental education services during the academic year. JJCLPP believes to have a positive effect on a young person’s life; the parent must be actively involved. As a result, the Program provides academic classes, job related services, parenting workshops and family counseling to parents and families. Past and Present Partnering Community Based Organizations: The philosophy of “it takes a village to raise a child” is a reality for the John Jay College Liberty Partnerships Program. The program actively involves community-based organizations in the delivery of services to participants.

Deliverables to the student: School and Campus-based supplemental education services, including summer and academic year tutoring & homework assistance, Regents Review; SAT Prep and enriched academic credit-bearing courses; academic, personal & family counseling; crisis intervention & advocacy; adolescent heath services; college/career exploration and placement assistance; summer enrichment programs and internships; field trips; home visits, parent workshops; cultural enrichment; mentoring; field trips; college tours

Data on the success of the collaborations:

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<td>Number of students</td>
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<td>203</td>
<td>181</td>
<td>196</td>
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<td>182</td>
<td>184</td>
<td>171</td>
<td>151</td>
<td>136</td>
<td>187</td>
<td>171</td>
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<td>participating</td>
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<tr>
<td>Student/School</td>
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<td>88%</td>
<td>95%</td>
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<td>99%</td>
<td>96%</td>
<td>98%</td>
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<td>Persistence Rate</td>
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<tr>
<td>Number of Seniors</td>
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<td>49</td>
<td>47</td>
<td>38</td>
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<td>57</td>
<td>45</td>
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<tr>
<td>Graduation Rate</td>
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<td>87%</td>
<td>82%</td>
<td>91%</td>
<td>87%</td>
<td>86%</td>
<td>91%</td>
<td>88%</td>
<td>95%</td>
<td>74%</td>
<td>93%</td>
<td>80%</td>
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<td>College-Going Rate</td>
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<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>94%</td>
<td>94%</td>
<td>81%</td>
<td>50%</td>
<td>95%</td>
<td>86%</td>
</tr>
<tr>
<td>Cost per Student</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>$776.</td>
<td>$796.</td>
<td>$857.</td>
<td>$902.</td>
<td>$971.</td>
<td>$1,139.</td>
<td>$1,265.</td>
<td>$874.</td>
<td>$956.</td>
</tr>
</tbody>
</table>

Where were 2007 John Jay LPP Grads headed?
CUNY Borough of Manhattan Community College, CUNY Bronx Community College, CUNY City College, CUNY Hostos Community College, CUNY LaGuardia Community College, Lee College, Long Island University- Brooklyn Campus, St. Johns University, SUNY Oneonta
Name of P-16 Collaborations/Partnerships: Science and Technology Entry Program

Collaboration: With John Jay College Science Department and CSTEP with the NYC Biology Teachers Association

Deliverables: Science Labs, academic support, mentoring, tutorials

Number of students served: 90+

Data on success: Internship at St. Lukes-Roosevelt Hospital, scholarship to Stanford University 2007 summer program
Kingsborough Community College

Name of Institution: Kingsborough Community College  
Contact Person: Roderick Wilson  
Telephone: (718) 368-5767  
Email: rwilson@kbcc.cuny.edu

Name of P-16 Collaborations/Partnerships: Liberty Partnerships Program

The Kingsborough Community College Liberty Partnerships Program (LPP) was established in 1989 and has remained committed to its goal of helping to retain and successfully graduate "at-risk" high school students and to prepare those students for postsecondary education and the workforce. In addition to its work with students, Kingsborough offers parents opportunity to develop tools needed to secure new or improved employment by attending one or more of the several classes made available through LPP. Liberty parents may earn their G.E.D.; develop computer software literacy; and, build proficiency in English Language Arts. The additional mission of the Liberty Parent Engagement Coordinator to help parents advance their own education and career goals.

**Deliverables to the student:** School and Campus-based supplemental education services, including summer and academic year tutoring & homework assistance, Regents Review; SAT Prep and enriched academic courses; academic, personal & family counseling; crisis intervention & advocacy; college/career exploration and placement assistance; summer enrichment programs and internships; field trips; home visits, parent workshops; cultural enrichment; mentoring; field trips; college tours

**Number of Students served:** 225

**Cost per student:** $1,128

**Data on the success of the collaborations:**

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<tbody>
<tr>
<td>Student Persistence Rate</td>
<td>100%</td>
<td>100%</td>
<td>95.8%</td>
<td>97.0%</td>
<td>98.4%</td>
</tr>
<tr>
<td>Graduation Rate</td>
<td>100%</td>
<td>90.3%</td>
<td>100%</td>
<td>66.7%</td>
<td>100%</td>
</tr>
<tr>
<td>College-Going Rate</td>
<td>79.3%</td>
<td>96.4%</td>
<td>86.7%</td>
<td>100%</td>
<td>74.1%</td>
</tr>
<tr>
<td>Employment</td>
<td>6.9%</td>
<td>3.6%</td>
<td>26.7%</td>
<td>Some students indicated plans to work &amp; attend college</td>
<td>31.3% of College-bound students were also planning to work</td>
</tr>
</tbody>
</table>

*Where did 2007 Kingsborough Community College Grads go?* CUNY Kingsborough Community College, CUNY Medgar Evers College, CUNY York College, North Carolina State University, SUNY Old Westbury
Name of institution: Kingsborough Community College  
Contact person: Professor Georgia Lind  
Telephone: 718-981-2705  
Email: glind@kbcc.cuny.edu

Name of P-16 Collaboration/Partnership: Science and Technology Entry Program (STEP)  

Deliverables to the students: Laboratory experience, research support, training in presentation of research, mathematics and subject area training (9th and 10th graders only)  

Number of students served: 25  

Data on the success of the collaborations: Success over the past 5 years of the program. Statewide/national honors or recognition awards. STEP student conference winners, 2-3 per year for past five years. Presidential award to program
LaGuardia Community College

Name of Institution: LaGuardia Community College  
Contact Person: Sean Galvin  
Telephone: (718) 482-5410  
Email: seanga@lagcc.cuny.edu

Name of P-16 Collaborations/Partnerships: Liberty Partnerships Program- Liberty Scholars

The LPP Mission Statement says, "The Liberty Partnerships Program provides students enrolled in grades 5-12 with services designed to improve their ability to graduate from high school and enter postsecondary education and the workforce." The LaGuardia Community College/CUNY Liberty Partnership Program (LPP), initially funded in 1989-90 through the NYS Department of Education as part of a statewide college/school consortium designed to address the needs of youth at-risk.

Deliverables to the student: Comprehensive school and campus-based programs offering a combination of enriched developmental and advanced academic experiences for 319 students in grades nine through twelve and their parents.

Number of Students served: 319

Cost per student: SED/LPP Funding: $874  
LPP & other Sources: $1,602

Data on the success of the collaborations:

<table>
<thead>
<tr>
<th>Program Year</th>
<th>No. LPP Srs Graduating</th>
<th>No. LPP Srs to College</th>
<th>No. Srs to Military</th>
<th>No. Srs to Workforce</th>
</tr>
</thead>
<tbody>
<tr>
<td>01-02</td>
<td>67/69 = 97.1%</td>
<td>65/69 = 94.2%</td>
<td>1/67</td>
<td>1/67</td>
</tr>
<tr>
<td>02-03</td>
<td>91/92 = 98.9%</td>
<td>90/91 = 98.9%</td>
<td>1/91</td>
<td>0</td>
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<tr>
<td>03-04</td>
<td>80/81 = 98.8%</td>
<td>77/80 = 96.3%</td>
<td>2/80</td>
<td>1/80</td>
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<tr>
<td>04-05</td>
<td>113/115 = 98.3%</td>
<td>111/115 = 96.5%</td>
<td>1/113</td>
<td>1/113</td>
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<tr>
<td>05-06</td>
<td>74/75 = 98.7%</td>
<td>72/75 = 96.0%</td>
<td>1/74</td>
<td>1/74</td>
</tr>
<tr>
<td>06-07</td>
<td>75/78 = 96.2%</td>
<td>73/78 = 93.6%</td>
<td>0</td>
<td>2/75</td>
</tr>
</tbody>
</table>

Where did 2007 LaGuardia Community College LPP Grads Go?  
CUNY Baruch College, CUNY City College, CUNY John Jay College, CUNY Hunter College, CUNY LaGuardia Community College, CUNY Lehman College, CUNY New York Technical Institute, CUNY Queens College, CUNY Queensborough Community College, CUNY York College, Johnson & Wales College, Long Island University/Brooklyn, Mercy College, Mt. St. Vincent College, Mohawk Valley Community College, RPI, Skidmore College, St. Johns University, SUNY Albany, SUNY Oneonta, SUNY Binghamton, SUNY Buffalo (UB), SUNY Farmingdale, SUNY Stony Brook, Swarthmore College, Syracuse University

65
Lehman College

Name of institution: Lehman College of the City University of New York
Contact person: Dr. Anne Rothstein, Professor & Director Lehman Center for School/College Collaboratives
Telephone: 718 960-8569
Email: anne.rothstein@lehman.cuny.edu or arothstein@aol.com

Name of P-16 Collaboration/Partnerships: Science and Technology Entry Program (STEP)
College Now
   Pre-College Courses and Workshops
   College Credit Courses for HS Cohorts
   College Courses Enrollment (regular courses)
   Summer Programs for High School students
   Theater
   Community Health
   Pre-Medical
TRIO Talent Search
TRIO Upward Bound
New Visions/City Council Small Schools Initiative with Teaching and Professions High School and Bronx Health Sciences High School (also served by STEP)

Deliverables to the students: academic support, college credit, graduation, SAT/PSAT prep, college admissions, project based science classes (forensics, robotics, anatomy and physiology, astronomy.

Number of students served: STEP=400; Talent Search=600; Upward Bound=50; College Now=1500

Data on the success of the collaborations: Success over the past 5 years of the program. Graduation rates increased over state and city averages; regents scores higher than average; summer/academic year retention and attendance at 90%+; continuation in program over several years at about 50%; SAT scores above average for population served; student ratings of program very good to excellent.
Name of Institution: Herbert H. Lehman College  
Contact Person: Elliot Weitz  
Telephone: 718 960 7878  
Email: eweitz1@aol.com

Name of P-16 Collaborations/Partnerships: Teacher Leader Quality Partnership

Deliverables to the student: Coursework leading to a Master of Science Degree in Childhood Education- Each year students complete 15 credits and receive tuition waivers for 9 of those credits. Academic advisement and professional advisement is provided.

Number of Students served: Eighty one graduate students

Cost per student:
1. Cost per student-primary: TLQP $1200
2. Cost from additional funding source-TOC $700

Data on the success of the collaborations
- Over the life of the program the retention rate in teaching for participants in the program is about 95%
- TLQP graduates are now educational leaders (lead teachers, staff developers, assistant principals, and principals) throughout the Bronx and also in Westchester.
Name of Institution: Herbert H. Lehman College
Contact Person: Valerie M. Washington
Telephone: 718 960 7878
Email: valwashington@optonline.net

Name of P-16 Collaborations/Partnerships: Teacher Opportunity Corps

Deliverables to the student: Coursework leading to a Master of Science Degree in Childhood Education- Each year students complete 15 credits and receive tuition waivers for 9 of those credits. Academic advisement and professional advisement is provided.

Number of Students served: Eighty one graduate students

Cost per student:
1. Cost per student-primary: $700
2. Cost from additional funding source-TLQP: $1200

Data on the success of the collaborations:
- Over the life of the program the retention rate in teaching for participants in the program is about 95%
- TOC graduates are now educational leaders (lead teachers, staff developers, assistant principals, and principals) throughout the Bronx and also in Westchester.
- When Lehman developed its Fellows Program for NYC Dept. of Education, the Lehman TOC program served as a model for implementing coursework and mentoring.
- Lehman TOC was selected to present the program to the Quarterly Review for the NYS Education Dept.
Name of Institution: LeMoyne College  
Contact Person: Martha Ramsey  
Telephone: (315) 445-4584  
Email: ramseymd@lemoyne.edu

Name of P-16 Collaborations/Partnerships: Liberty Partnerships Program

The LeMoyne College Liberty Partnerships Program provides year-round comprehensive support services to 192 at-risk high school students in the Syracuse City School District. The goal of the program is to ensure that students graduate from high school on time, and enter higher education or a career possessing the necessary skills to succeed at the next level.

Deliverables to the student: Supplemental educational support services including tutoring, homework assistance and Regents Prep; academic, college, career, personal counseling; crisis intervention; workforce preparation; college/career exploration and Admission/Financial Aid application assistance; Standardized test (SAT/ACT,) preparation; Accuplacer college skill-level testing to all juniors in cooperation with Onondaga Community College; College credit bearing classes through LeMoyne College (Statistics, Biochemistry, Astronomy, Toxicology) and Onondaga Community College (Study Skills and College 101); Regional and statewide conference opportunities; Parental involvement activities and services; transition to High School and Transition to College activities; scholarship opportunities through the Syracuse Liberty Partnerships Dollars for Scholars chapter, and through statewide LPP half-tuition scholarships

Number of Students served: 192  
Cost per student: $1,003

Data on the success of the collaborations: The LeMoyne LPP Program has worked extensively with the Partners for Education and Business organization to develop comprehensive workforce preparation activities including career exploration activities, speakers, site visits, job shadows, and internships

Program Success:

- 93% average graduation rate over the last five years
- 90% average college-going rate over the past five years
- An average of 91% of graduates have enrolled in NY State college/universities over the past five years

Where were LeMoyne LPP Graduates headed in 2007? Central Connecticut State University, Herkimer Community College, LeMoyne College, Monroe Community College, Onondaga Community College, SUNY Albany, SUNY Morrisville, Utica College
**Name of Institution:**  Le Moyne College Science and Technology Entry Program  
**Contact Person:** Martha Ramsey, Director  
**Telephone:** (315) 445-4584  
**Email:** ramseymd@lemoyne.edu

**Name of P-16 Collaborations/Partnerships:**  Science and Technology Entry Program

**Description of Program:** The Le Moyne College Science and Technology Entry Program provides comprehensive services to 80 students in grades 9-12 at Henninger and Nottingham High Schools in Syracuse, NY. Services are designed to prepare historically underrepresented and/or economically disadvantaged students for college and the pursuit of careers in math, science, technology, and health-related professions. Students in the program are expected to maintain a minimum average of 80 in Regents-level Math and Science courses, and a minimum overall grade average of 80.

**Student Services Provided:**
- Academic services including tutoring, Math/Science instruction and enrichment courses, standardized test (SAT/ACT/Regents) preparation, access to college credit bearing courses through the Le Moyne College Scholars Institute as well as Syracuse University and SUNY ESF in-high school courses
- Academic, college/career, and personal counseling
- Workforce preparation activities, including site visits to local companies and organizations, job shadows, internships
- Opportunities for hands-on research assistantships supervised by college faculty
- Opportunities to develop and present individual research projects
- College visitations and application assistance
- Summer program
- Opportunities to attend conferences, seminars and workshops

**Number of Students Served:** 76 (2006-07)

**Successful Collaborations:**
- Comprehensive workforce preparation activities in conjunction with the Partners for Education and Business organization. In 2006-07, 9 students participated in job shadows and 25 students participated in career site visits.
- Employment/summer program collaboration with CNY Works. Ten (10) STEP students who met income guidelines were paid to attend the STEP Summer Program. CNY Works designated the STEP Summer Program the students’ worksite placement

**Program Success:**
- 100% graduation rate over last 5 years
- 100% college-going rate four of the last five years (92% in 06-07)
- An average of 70% of graduates over the past five years earned a Regents diploma
- An average of 70% of graduates over last 5 years plan to enter STEP fields
- An average of 85% of graduates over last five years attended college in NY State
Name of Institution: Levy Middle School
Contact Person: Cheryl Mayer, LMSW (School Social Worker)
Telephone: (315) 435 – 5869
Email: cmayer00@scsd.us

Name of P-16 Collaborations/Partnerships: Syracuse University

Deliverables to the student:
Support to service learning project, mentoring opportunities with students

Number of Students served: 150

Cost per student:

Data on the success of the collaborations:
Program is just getting underway this year.
Name of Institution: Long Island University/Brooklyn Campus  
Contact Person: Patricia King-Butler  
Telephone: (718) 780-4012  
Email: patricia.king-butler@liu.edu

Name of P-16 Collaborations/Partnerships: Liberty Partnerships Program

The Liberty Partnerships Program at Long Island University, Brooklyn campus has served over 190 middle and high school students in the communities of Bushwick, Bedford Stuyvesant, Clinton Hills and Fort Greene in Brooklyn since 1994. The focus has been to build and strengthen basic literacy skills and reading comprehension with a special emphasis on math and science. Annually, the students engage in a year long research based project on a topic of interest that is then presented at the University through an open symposium. A cornerstone is the emphasis on cultural arts as a methodology.

**Deliverables to the student** School and Campus-based supplemental education services, including summer and academic year tutoring & homework assistance, Regents Review; SAT Prep and enriched academic courses; academic, personal & family counseling; crisis intervention & advocacy; college/career exploration and placement assistance; summer enrichment programs and internships; field trips; home visits, cultural enrichment; mentoring; field trips; college tours

Enrollment: 200

**Cost per student:** The cost per student by LPP is approximated at $800 to $900 and with other funding sources approximately $1500 -$2,000.

**Where were 2007 LIU LPP Grads headed?**
Berkley College, CUNY Hunter College, CUNY John Jay College, CUNY LaGuardia Community College, CUNY New York Technical College, Monroe College, Quinnipac University
**Institution:** Long Island University
**Contact Person:** Oswaldo Cabrera
**Telephone:** 718-488-1397
**Email:** O.Cabrera@liu.edu

**Name of P-16 Collaborations/Partnerships:** Science and Technology Entry Program

**Students Served:** 160

**Collaborations and Partnerships:**
- Brooklyn Technical High School
- Canarsie High School
- Bishop Loughlin Memorial H.S.
- Prospect heights High School
- Ridgewood Bushwick Senior
- Jackie Robinson Center for Physical Culture

**Services Provided to Students**
- Academic Reinforcement: Writing, Mathematics, Chemistry, Physics, Biology, Regents
- SAT and PSAT readiness
- Research Mentorship
- College Tours
- College Financial Planning
- Enrichment Activities that expose students’ science and technology conferences, and events
- Career Counseling

**Student Achievement**
- Approximately 30 students’ participation in school-based science fairs
- 15 students participating in Long Island University’s Annual Discovery Day: A Research Poster Presentation Conference
- 3 students participating in the Annual STEP Student Poster Competition and a winner of the second place in Biological Sciences
- 1 student semi-finalist in the National Immunological Research Competition held in Washington D.C.
- Five STEP students were successfully admitted into CSTEP at Long Island University
- 20 seniors successfully completed 2 college-level Biology credits earning them 6 credits each
- 15 students participated in the Day of Service sponsored by STEP/CSTEP
- 70% of the students achieve a grade point average of 80 or above
- 30 students successfully completed AP level courses
Manhattan College

Institution: Manhattan College
Contact Person: Dr. Elizabeth Kosky, Margaret Harten Rose
Telephone: 718-862-7969/718-862-7418
Email: elizabeth.kosky@manhattan.edu/margaret.harten@manhattan.edu

Name of P-16 Collaborations/Partnerships:
New York City Department of Education Regions 1 And 2 (Bronx), Yonkers Public Schools and Manhattan College

Deliverables to the student:
College credit

Number of Students served:
Six teacher participants are being served in the 2007/2008 Teacher Opportunity Corp program. Since 1990, 285 teachers have participated in this grant which has impacted 14,388 at risk and disabled students in the New York City Department of Education and Yonkers Public Schools.

Cost per student:
- The cost per student by the primary funding source (TOC and Manhattan College Cost Share) is $1,030.00.
- The cost per student with additional grants/contracts is $150.00 to pay for fees.

Data on the success of the collaborations:
On September 18, 2007, Mayor Michael R. Bloomberg accepted the Broad Prize for Urban Education recognizing New York City as the nation’s most improved urban school district. PS 76 The Bennington School, was one of the five schools interviewed for this prize. This school has been part of the TOC program at Manhattan College and serves as a primary cohort school for professional development for the TLQP grant.

PS 76 was in the top 10% for closing the achievement gap (Black and Hispanic Students) for 2006/07.

Two former TOC graduates were awarded Teacher of the Year.
Institution: Manhattan College  
Contact Person: Dr. Elizabeth Kosky, Margaret Harten Rose  
Telephone: 718-862-7969/718-862-7418  
Email: elizabeth.kosky@manhattan.edu/margaret.harten@manhattan.edu

**Name of P-16 Collaborations/Partnerships:** New York City Department Of Education Regions 1 And 2 (Bronx), Yonkers Public Schools, Non Public Schools In NYC And Yonkers, Wave Hill Environmental Center and Manhattan College

**Deliverables to the student:** College credit

**Number of Students served:** Twenty-four teacher participants are being served in the 2007/2008 Teacher Leader Quality Partnership. These participants are teachers in the high need areas of New York City and Yonkers. An additional 41 students have gone through this program since 2002 with over 78% graduating with a Masters Degree in Education and have applied for New York State Certification. Surveys were sent out to former participants who had been in our program over the past four years to determine the following: teaching status, certification, location of service, further professional development activities, post graduate degrees. Data collected from these surveys revealed that 83% of the former TLQP participants are either still teaching in the same high need LEA or left that school but are still teaching at another high need LEA. Another 15% are still either teaching, but not at a high need LEA, or have taken administration positions, or are on leave (maternity, etc…) but plan to return to teaching. This high retention rate in the urban high need schools for TLQP former participants’ testifies to the effectiveness of the program at Manhattan College.

**Cost per student:**  
- The cost per student by the primary funding source (TLQP and Manhattan College Cost Share) is $1,180.00 which includes tuition and fees.

**Data on the success of the collaborations:** On September 18, 2007, Mayor Michael R. Bloomberg accepted the Broad Prize for Urban Education recognizing New York City as the nation’s most improved urban school district. PS 76 The Bennington School, was one of the five schools interviewed for this prize. This school has been part of the TLQP program at Manhattan College and serves as a primary cohort school for professional development for this grant. PS 76 was in the top 10% for closing the achievement gap (Black and Hispanic Students) for 2006/07.
Manhattanville College

Institution: Manhattanville College STEP
Julie Arias, ariasju@mville.edu, 914-323-3142
Uriel G. Reid, reidu@mville.edu, 914-323-5101
Grades 7-12
Academic Year and Summer Program
200 Students served in 2006-07

Name of P-16 Collaborations/Partnerships: Science and Technology Entry Program

STEP at Manhattanville is designed to provide enrichment in the areas of Math and Science as well as Preparation for the College admission process. Manhattanville STEP also offers regents review, SAT Prep and additional tutoring. The philosophy of the program seeks to meet the needs of the twenty-first century by promoting content and instructional methods, in which students learn mathematics and science. Throughout our sessions, students engage in higher level thinking approaches to solving mathematical and scientific problems. At the heart of the program are the hands-on laboratory science and mathematics modules that challenge and interest the students. All modules include the integration of reading, writing, problem solving, scientific inquiry, and analytical thinking skills. The program has set its goals in accordance with the Institution’s mission, “To educate students to become Ethically and Socially Responsible Leaders for the Global Community”.

The program collaborates with Yonkers Public School’s Advance Placement and GEAR UP programs. Our CSTEP students actively interact with our STEP students as teachers, mentors, and tutors. We also collaborate with the CSTEP/STEP programs of the Mid-Hudson Region in an effort to successfully meet the goal and objectives of the state for STEP.

In the past five years, our STEP program has had many successes:

- We have graduated 93 students and all of them were accepted to the colleges of their choice.
- Four Manhattanville STEP students received the Invest in Success Scholarship which is a full four-year scholarship from the Manhattanville College Duchesne Center for Religion and Social Justice. This scholarship is given twice a year in conjunction with Hispanic Heritage and Black History month.
- One student won first prize in the Human Services category in the Annual Statewide STEP Conference on April 3, 2005.
- Eighty students participated in the Annual Statewide STEP Conference in the last five years.
- One of our African American males graduated in June 2006 after being a participant in the STEP program since the 7th grade. Some of his extracurricular activities included running track for four years, being a member of the Dean’s Counsel and the National Honor Society. In addition, he worked over 70 hours of community service at Greenwich Hospital and currently attends Yale University.
Name of Institution: Marist College
Contact Person: Susan Repko
Telephone: (845) 454-4199
Email: Susan.repko@marist.edu

Name of P-16 Collaborations/Partnerships: Liberty Partnerships Program

The Liberty Partnership Program (LPP) at Marist College serves over 225 students per year in Grades 6 through 12 at six schools in the Poughkeepsie and Kingston City School Districts. The goal of the program is to provide services that motivate at-risk students to graduate from high school and enter post-secondary education or the workforce as competent and compassionate adults. The program has been sponsored by Marist College and funded through the New York State Education Department since 1990.

Deliverables to the student: School and Campus-based supplemental education services, including summer and academic year tutoring & homework assistance, Regents Review; SAT Prep and enriched academic courses; academic, personal & family counseling; crisis intervention & advocacy; college/career exploration and placement assistance; summer enrichment programs and internships; field trips; home visits, parent workshops; cultural enrichment; mentoring; field trips; college tours

Number of Students served: 225

Data on the success of the collaborations:

Generally students enter LPP in middle school and participate until they graduate from high school. During the Fall of 2006, LPP contacted alumni who graduated from high school between 2002 and 2005. Of the 47 contacted, 46 or 98% had attended college. Of the 2006 graduates (22) contacted in May 2007, all had completed their first year of college.

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<thead>
<tr>
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</tr>
</thead>
<tbody>
<tr>
<td>Student Persistence Rate</td>
<td>99.9%</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>Graduation Rate</td>
<td>71.4%</td>
<td>73.7%</td>
<td>100%</td>
<td>89.7%</td>
<td>94.1%</td>
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<tr>
<td>College-Going Rate</td>
<td>93.3%</td>
<td>92.9%</td>
<td>100%</td>
<td>92.3%</td>
<td>93.8%</td>
</tr>
<tr>
<td>Employment</td>
<td>6.7%</td>
<td>7.1%</td>
<td>0%</td>
<td>7.7%</td>
<td>NA</td>
</tr>
</tbody>
</table>

Where were 2007 Marist College LPP Grads headed? CUNY John Jay College, Dutchess County Community College, Herkimer Community College, John C. Smith, Mount St. Mary College, SUNY Albany, SUNY Delhi, Ulster County Community College, Virginia State College at Petersburg,
Name of institution: Medgar Evers College (MEC)
Contact person: Crystal Cumberbatch-Greene
Telephone: 718-270-6153
Email: ccumberbatch@mec.cuny.edu

Name of P-16 Collaboration/Partnership: Science and Technology Entry Program (STEP)

Our partners are:
- MEC CSTEP
- STEP/CSTEP Regional Sites: Long Island University, College of Staten Island, Jackie Robinson Center
- 21 youth programs within the Centers For Youth (CFY) at MEC, which include the CUNY College Now Program
- National Aeronautics and Space Administration (NASA)
- Several schools within the NYC Department of Education
- Net Generation of Youth (NGY)

Deliverables to the students: Our students are given:
  - Tutoring and Test Preparation (ILST, Regents and SAT);
  - Hands-On Science and Technology activities which include Research Projects;
  - High School elective credit and College credit courses;
  - Academic Advisement and Counseling;
  - Trips and College Tours;
  - Career Development and Exploration, and;
  - Family counseling and workshops.

Number of students served: During the 2006-2007 year we served 175 students.

Data on the success of the collaborations: Success over the past 5 years of the program.
Statewide/national honors or recognition awards.
- Two 8th grade students won the Biology Olympiad in NYC School District 17 in 2003.
- Both the Director and Coordinator were recipients of the 2004 Congressional Black Caucus Education Braintrust TEC Champion Award for Pioneering Youth Empowerment.
- MEC STEP sponsors the Family Café which received recognition for empowering families in technology during the Black Families in Technology Weekend. We received a gift of (3) HP laptops from Verizon Communications, Inc.
- For the past five years, consistently, several of our middle school students have received 4-year scholarships to the John Hopkins University Research Program.
- For the past five years, consistently, several of our STEP students (twelve - 8th Graders) have been the Salutatorian and/or Valedictorian of their graduating class.
- For the past four years, consistently, several of our 8th Grade STEP graduates have received awards/honors for their outstanding academic performance.
Name of Institution: Medgar Evers College/Jackie Robinson Center for Physical Culture

Contact person: John Brown
Telephone: (718) 773-3456
Email: Busajrc2@aol.com

Name of P-16 Collaboration/Partnership: Science and Technology Entry Program

Collaboration /Partnership:
- Brooklyn College, St. John's University, Long Island University, New York University, Liberty Science Center, and John Hopkins University

Deliverables to the Students:
- Academic Support
  a. Math Instruction
  b. Science Instruction
  c. Regents Preparation
  d. Specialized Science High School Preparation
  e. SAT Preparation
- Career, personal and academic counseling
- Trips to local colleges and university

Number of students served: 2006-2007 (271)

Data on the success of the collaborations

Over the past five years the following are notable successes:
- The number of students applying and have been accepted into specialized high schools has practically doubled.
- Many of our STEP participants have qualified and are now members of the National Arista Honor Society. In order to qualify the student must maintain an 85+ average for at least three consecutive quarters, in all subjects.
- JRC STEP has been preparing and recruiting it's participants for acceptance into the John Hopkins’s University Center for Talented Youth. The first year 8 students qualified.
- For three consecutive years the largest number of John Hopkins’s scholars in the tri-state area (NY, NJ, Conn.) is participants in JRC STEP.
- A JRC STEP participant came in second place in the 2007 New York State Wide Science competition. She was also the valedictorian of her graduating class.
- A former JRC STEP participant graduated from STAR (Science, Technology and Research High School) where she accumulated a 3.0 GPA and 15+ early college credits.
- A STEP participant became the recipient of one of the POSSE Foundation scholarships. He received a $100,000 scholarship to attend Franklin and Marshall College in Pennsylvania.
- A JRC STEP participant maintained a 90% average all throughout middle school and kept up the practice in high school. She also won the Albert Shanker scholarship.
- 90% of the students taking the Earth Science regents Math A regents and Biology regents passed with 85% or better.
- 8th grade assessment test indicates that 81% of the JRC STEP participants were level III and level IV in Math; 84% were level III and IV in ELA; and 72% in level III and IV in Science.
Name of Institution: Medgar Evers College
Contact Person: Lisa Superville-Jones/Tyrone Brown
Telephone: (718) 270-6053/(718) 399-2300
Email: lsuperville@mec.cuny.edu/ tbrown@mec.cuny.edu

Name of P-16 Collaboration/Partnership: Liberty Partnerships Program

Measuring success, one student at a time, Medgar Evers College Liberty Partnerships Program offers outreach to at-risk youth of Central Brooklyn through school and community-based community venues. MEC LPP subscribes to the basic vision of the Liberty Partnerships Program to ensure students who are at-risk will achieve academic and personal excellence, graduate from high school and enter post-secondary education and the workforce as highly competent young adults. The mission of MEC LPP is to develop and implement systemic and supportive interventions and opportunities for students identified as being at-risk for dropping out of school.

Deliverables: Supplemental education services; academic, personal and family counseling services; crisis intervention; college/career exploration and placement assistance; mentoring; fine & performing arts; field trips; recreation; parent engagement and support

Enrollment: 495

Cost per Student: SED/LPP $1,008 ~ Other Resources: $1,201

Where were MEC LPP Grads headed in 2007?

Berkley College, Bethune Cookman University, CUNY Borough of Manhattan Community College, CUNY Bronx Community College, CUNY Brooklyn College, CUNY College of Staten Island, CUNY Hunter College, CUNY John Jay College, CUNY Kingsborough Community College, CUNY LaGuardia Community College, CUNY Lehman College, CUNY Medgar Evers College, CUNY NYC Technology College, CUNY York College, Hampton University, Howard University, Johnson C. Smith University, Messiah College, Norfolk State College, North Carolina Central University, St. Francis College, Spellman College, Sullivan County Community College, SUNY Albany, SUNY Morrisville, SUNY Plattsburgh, SUNY Stony Brook,
Name of P-16 Collaboration/Partnership: Science and Technology Entry Program

Grades/Class Levels Served: 7-12

Summer/Academic Year Program: Summer and Academic Year

Student Enrollment 2006-2007: 163 students

Name of P-Collaboration/Partnership:
- Ossining School District and Peekskill School District
- IBM-Women in Technology (WIT) and IBM-Engineering Technology Week
- Teen Life Associates-Pepsico
- Inroads, Inc. and West Point Leadership Conference
- Mercy College- (CSTEP)-Collegiate Science and Technology Entry Program
- Natural Sciences Division, Career Services, Admissions
- Upward Bound Program
- APACS Mid-Hudson Region

Deliverables to students:
The Mercy STEP program provides a more intensive exploration of mathematics and the sciences through Saturday workshops, after-school enrichment programs and a four week Summer Academic camp. Students have an opportunity to earn 6 credits in the summer from Mercy College before they graduate. Additional services include SAT review, Regents review, assessment reviews and tutoring. STEP incorporates a broader perspective of science and technology for students with educational field trips, college visits, cultural activities and career counseling and needs assessment. The STEP Parent Advisory Council (STEPAC) is a strong supporter of this program through their participation in activities and the finance of scholarships for STEP graduates.

During the past 5 years: 100% of Grade 12 students graduated, 96% enrolled in college, 68% enrolled pursued MST and Health fields of study, 80% of all graduates received a Regents diploma. 75% of last two years’ graduates earned the Regents Diploma with Advanced Distinction. Over 100 students maintain an average of 80 or more with 50 students with GPA’s of 90 or more. STEP has placed second in the NAACP ACT-SO Competition, had 2 Semi-finalists in the Intel Science competition, 2 first Place and 3 Second Place Winners in the STEP State-wide Poster Competition. SAT scores of 500 and above of the graduating seniors have increased from 35% to 59%.
Name of Institution: Mohawk Valley Community College
Contact Person: Jennifer Boulanger
Telephone: (315) 792-5308
Email: jboulanger@mvcc.edu

Name of P-16 Collaboration/Partnership: Science and Technology Entry Program (STEP)

Deliverables to the students: Mentoring, tutoring, specialized tutoring for Regents exams, SAT preparation sessions, internship opportunities, STEP-specific instructional materials for students who demonstrate significant achievement.

Number of students served: 30

Data on the success of the collaborations: Success over the past 5 years of the program. Statewide/national honors or recognition awards.

- In 2006-07, 7 students participated in tutorial instruction and improved test scores and raised grades.
- In 2006-07, 18 students participated in Regents exam preparation classes in STEM areas and in college preparatory sessions. All seniors successfully competed college applications.
- In 2006-07, 8 students participated in a panel discussion on STEM careers at SUNY College of Environmental Science.
- In 2006-07, 4 students participated in a panel discussion on STEM careers at SUNY Albany.
- In 2006-07, 8 students participated in a visit to Syracuse University to investigate transfer opportunities in STEM programs.
- In 2006-07, 8 students participated in the Student Recognition Luncheon.
- On March 31, 2007, the College was awarded a "Certificate of Appreciation for its STEP Program at the 9th Annual STEP Statewide Student Conference."
Monroe Community College

Name of Institution: Monroe Community College
Contact Person: Susan Gunther
Telephone: (585) 262-1690
Email: sgunther@monroecc.edu

Name of P-16 Collaboration/Partnership: Liberty Partnerships Program

Monroe Community College’s LPP serves youth in grades 7-12 in the Rochester City School District who are at-risk of dropping out of school through a blend of school and campus-based programs and services. Academic and personal support is provided to ensure that youth graduate from high school prepared to enter post-secondary education and the workforce as competent young adults.

**Deliverables to the student**
Tutoring sessions; case management services; academic advisement and personal counseling; college/career exploration and placement assistance; SAT prep; life skills workshops; parent advocacy & personal development workshops; cultural and social activities and field trips; community service projects; home visits to students and their families; transportation provided for all activities.

**Number of Students served:** 242

**Cost per student:**
- SED/LPP $863
- LPP & Other Funds $1,142

**Data on the success of the collaborations:**

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<tbody>
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<tr>
<td>Graduation Rate</td>
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<td>Employment</td>
<td>33.3%</td>
<td>6.3%</td>
<td>11.1%</td>
<td>4.3%</td>
</tr>
</tbody>
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**Where were 2007 Monroe Community College LPP Grads headed?** Long Island University/Brooklyn Campus, Miami International University Colleges of Arts & Sciences, Monroe Community College, SUC Buffalo, SUNY Alfred.

**Special Recognition:** MCC’s LPP received recognition for dedication to youth and active participation in the Rochester City School District’s student support centers.
Name of institution:  Monroe Community College
Contact person:  Donna Augustine
Telephone:  585-262-1673
Email:  daugustine@monroecc.edu

Name of P-16 Collaboration/Partnership:  Science and Technology Entry Program (STEP)

Deliverables to the students:

- Academic support/ Tutoring
- Enrichment in STEM
- Research opportunities
- Career exploration
- College Preparation

Number of students served:  65/ year

Data on the success of the collaborations:  2001 - 2004 data

- Percentage of students who demonstrated growth in math skills (measured with math grades): 92%
- Percentage of STEP graduates who pursue post-secondary education in STEP targeted fields: 83%
- Percentage of STEP students who participated in a research project: 84%
- Percentage of STEP students who demonstrated growth in English language grammar, comprehension and reading (measured with course grades): 87%
- Percentage of STEP students who took the SAT and scored a minimum of 500 Math and 500 Verbal: 78%

2004-2005 -- 100% graduated
2005-2006 - 100% graduated (partial data)
2006-2007 - 100% graduated
Name of P-16 Collaboration/Partnership: Liberty Partnerships Program

The Nassau Community College (NCC) Liberty Partnerships Program (LPP) is founded on the belief that all young people can excel when given effective support, encouragement and opportunity. In collaboration with three Nassau County school districts,, community based organizations, local governments and the business community, this comprehensive program provides leadership and resources to ensure that sixth through twelfth grade students will achieve academic and personal excellence, graduate from high school, and enter college and the workforce as highly competent young adults.

**Deliverables to the student:** School and Campus-based supplemental education services, including summer and academic year tutoring & homework assistance, Regents Review; SAT Prep and enriched academic courses; academic, personal & family counseling; crisis intervention & advocacy; college/career exploration and placement assistance; programs, summer enrichment programs and internships; field trips; home visits; cultural enrichment; mentoring; field trips, including college tours. Parental services include workshops designed to empower parents by offering the latest teaching and learning strategies, and parenting techniques. Additionally, our Parent Resource Center provides valuable information concerning college and financial aid.

**Number of Students served:** 356

**Cost per student:** Our cost per student by LPP is $800.00. With the inclusion of other funding sources, which varies year to year, per student cost has been approximated as high as $1,400.

**Data on the success of the collaborations:**

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<td>98%</td>
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<tr>
<td>Graduation Rate</td>
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<td>97.1%</td>
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<tr>
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<td>100%</td>
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<tr>
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**Where were 2007 Nassau Community College LPP Grads headed?** Clark University, CUNY York College, Howard University, Nassau Community College, SUNY Alfred, SUNY Farmingdale, SUNY Stony Brook
Name of Institution: Nazareth College of Rochester

Contact Person: Jackie Bryant
Telephone: (585)389-2684
Email: jbryant6@naz.edu

Name of P-16 Collaborations/Partnerships: Teacher Opportunity Corps (TOC)

Deliverables to the student:
- Mentoring
- Academic Support
- Field Experiences in exemplary classrooms
- Research Experiences
- Community based learning experiences
- Multicultural Curriculum Development
- Graduate College Credit/ M.S. Ed.
- Teacher Certification Test Preparation
- NYSED Certification
- Tuition Assistance

Number of Students served: 20

Cost per student: $7,764

Data on the success of the collaborations:
- Since 1989, Nazareth College has graduated over 125 TOC participants who have been hired by high need urban schools and who have helped increase diversity of the teacher population.
- The five year retention rate for TOC graduates is over 98%.
- TOC participants provide direct academic support to Rochester City School District (RCSD) students and have been responsible for increasing student achievement. Our TOC program worked in collaboration with RCSD School #9 to provide direct support to students and to increase students’ academic achievement and assist in the effort to have School #9 removed from the SURR list.
- Nazareth College TOC graduates have become teacher leaders and administrators. They have served in leadership positions to develop plans for the Rochester Children’s Zone and in establishing a RCSD Parent University. They have presented at both local and national educational conferences and have been published in journals for graduate students.
- In 2007, one of our first year teachers was recognized as one of 12 Rochester City School District’s “NEW TEACHERS OF THE YEAR.”
- Through collaboration with the Teacher Leader Quality Partnerships Program and the College of Arts and Science, TOC participants have received professional development in Math, technology and English Language Arts and have documented their impact on increased k-12 student achievement.
Name of P-16 Collaborations/Partnerships: Teacher Leader Quality Partnerships (TLQP)
Teacher Opportunity Corps Program National Science Foundation Program
Liberty Partnership Program Rochester CSD - Schools 6,9,36,50 and 54
Rochester Teacher Center Baden Street Settlement

Deliverables to the participants: Professional Development in:
- Learning and Teaching Math and Science
- Enhancing Literacy strategies in the Writer’s Workshop
- Using Technology to Improve Student Achievement in ELA and math
- Strength Based Assessment
- Data Driven Instruction
- Multicultural Curriculum Development
- Culturally Responsive Teaching
- Strength Based Assessment
- Mentoring, Coaching, Research Experiences, Community-based learning experiences, Graduate College Credit towards M.S. Ed., Teacher Certification Test Preparation, Tuition Assistance

Number of participants served: 135

Cost per participant: $2,184 Total ($1301 TLQP Grant and $883 IHE and other grants)

Data on the success of the collaborations:
- In collaboration with the TOC program, the Nazareth College TLQP program has successfully decreased the number of uncertified teachers teaching in the Rochester City School District (RCSD). Since 2003, 30 uncertified TLQP teachers have been certified.
- In 2007, one of our first year teachers was recognized as one of 12 Rochester City School District’s “NEW TEACHERS OF THE YEAR.”
- The five year retention rate for TLQP teachers is over 98%.
- TLQP has published two volumes of “Preparing Teachers: Graduate Student Journal.”
- The professional development in Math, technology and English Language Arts has enabled TLQP participants to increase K-12 student achievement in reading writing and math. TLQP teachers at School #6 have been credited with reducing the School #6 sixth grade suspension rates by 53%.
- TLQP pre-service teachers have provided direct academic support to Rochester CSD students with Academic Intervention Service plans and have been responsible for increasing student achievement in English Language Arts and mathematics.
- Nazareth College TOC graduates have worked to develop plans for the Rochester Children’s Zone and to establish a RCSD Parent University. They have presented at both local and national educational conferences and have been published in journals for graduate students.
New York City College of Technology

Name of Institution: New York City College of Technology  
Contact Person: Ivonne Barreras  
Telephone: 718-260-5463  
Email: ibarreras@citytech.cuny.edu

Name of P-16 Collaborations/Partnerships: Teacher Leader Quality Partnership

**Deliverables to the student:**
The project’s goal is to improve Math A teaching and learning by teaching strategies and best practices in math education and integrating literacy and technology through the development of web-based curricula.

**Number of Participants served:**
19 teachers and 3 pre-service teachers are served every year

**Cost per student:** (1-The cost per student by the primary funding source; and 2- The cost per student with any additional grants/contracts that the program may have in addition to the primary funding source):
Approximate cost of $3,341 per participant

**Data on the success of the collaborations:**
The project has put on the web lesson plans for math A that incorporate best practices and integrate literacy skills.
Over the last five years, over 85 percent of participants indicated that the project had taught them about:

- The teaching and learning needs identified in their Region’s professional development plans,
- Differentiated instruction based on individual student needs,
- Effective practices for teaching mathematics and developing students’ critical thinking skills,
- Word problem analysis,
- Cooperative learning,
- Integration of the workshop model,
- Implementation of NYS and NYC Standards,
- Strategies in Prentice Hall Math A and integrating literacy skills into math classrooms.

Seventy percent agreed or strongly agreed that they planned to incorporate in their teaching more classroom management skills using research-based strategies.
Name of P-16 Collaboration/Partnerships: Science and Technology Entry Program

STEP at City Tech provides a pre-nursing program in collaboration with CUNY College Now; PSAT and Cambridge SAT prep; Regents Exam Prep in Living Environment and Earth Science; tutoring in all math subjects; summer supplemental instruction to students in grades 7-10 through Inner Force and support to students doing a research project with a faculty member in the science department.

Number of students served: 120 students/year

Over the past three years, 54 students completed at least one course of the pre-clinical requirement for Nursing; 34 completed 3. Ten graduates have been accepted into the clinical components as matriculated students in CSTEP.
New York Institute of Technology

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<tr>
<th>Name of institution:</th>
<th>New York Institute of Technology</th>
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<tbody>
<tr>
<td>Contact person:</td>
<td>Stan Silverman</td>
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<tr>
<td>Telephone:</td>
<td>631-348-3317</td>
</tr>
<tr>
<td>Email:</td>
<td><a href="mailto:stan@nyit.edu">stan@nyit.edu</a></td>
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**Name of P-16 Collaboration/Partnership:** Science and Technology Entry Program (STEP)

**Deliverables to the students:**

- After-school program running from early October thru mid-June held at Central Islip Campus of NYIT
- In school tutoring providing academic support
- On school site mentoring providing academic and vocational support
- Affiliations with informal providers such as the New York Hall of Science who support content through onsite and virtual, video conference field trips

**Number of students served:** 59

**Data on the success of the collaborations:** Until recently, the program was limited to 7th and 8th grade students and data tracking has been difficult. With the addition of high school level students, we are anticipating a change for the better in this area.
New York University

Name of Institution: New York University
Contact Person: Ellen Goolsby
Telephone: (212) 998-5660
E-mail: elleng@nyu.edu

Name of P-16 Collaboration/Partnerships:
1) STEP Into NYU / STEP Into College
   a. NYU College Tour
   b. Getting In to NYU and Other Competitive Colleges workshop presented by HEOP Recruiting professional
   c. College Admissions Coaching for Seniors by NYU student mentors (assist students with essays and applications to 4 – 10 schools)
   d. College Process for 11th Graders
   e. Overview of the STEM and Licensed Professions and major selection
2) Career Mini-Program
   a. Science and Technology
      i. Career Panel / Overview of the Professions
      ii. Career-related field trip (Oxygen Media)
      iii. NYU/Stevens Engineering Program / Q & A (College of Arts and Sciences)
      iv. Getting in to NYU and Other Competitive Colleges workshop presented by HEOP Recruiting professional and College Process by mentors
   b. Business and Law Career Panel
      i. Career Panel / Overview of the Professions
      ii. Career-related field trip (Citicorp simulated trading floor)
      iii. NYU Stern/SEAD and NYU High School Law Institute events
      iv. Getting in to NYU and other professional colleges workshop by NYU HEOP recruiter and College Process by student mentors
   c. Health and Medicine Career Panel
      i. Career Panel / Overview of the Professions
      ii. Career-related field trip (Bodies Exhibition)
      iii. NYU Medical School event
      iv. Getting in to NYU and other professional colleges workshop by NYU HEOP recruiter and college process by student mentors

Deliverables: Career Panels; Career Workshops; Career Fieldtrips; College Advising; Mentoring
Number of Students Served 2006 – 2007: 219
Number of Students Served 2005 – 2006: 103

Success: Over the past 2 years engaged 322 students in career exploration and college advising. In the 2006 – 2007 Academic Year, these programs enabled us to impact on an additional 88 Black and Latino/Hispanic male students and an additional 98 Latino/Hispanic male and female students. For those seniors for whom data is available, 100% went on to four year institutions, the majority (61%) of participating seniors are attending college in New York state; 75% pursuing college majors that will prepare them for careers in the STEM and licensed professions.
Name of P-16 Collaboration/Partnerships: Liberty Partnerships Program

The Liberty Partnerships Program (LPP) at New York University is part of a statewide collaboration of postsecondary institutions, K-12 schools, parents, and community-based organizations. The program identifies high school students with great potential yet considered to be at risk of dropping out. The services provided by LPP are a structured response to the cultural and political contexts that frustrate and obstruct the educational achievement of students from disadvantaged communities. LPP works to ensure that students facing structural barriers preventing access to educational opportunities will be able to graduate from high school and enter institutions of higher education and the workforce as competent young adults. The services help students formulate intelligent, goal-oriented career plans through awareness of their personal skills. Graduate students from NYU’s Steinhardt School of Culture, Education, and Human Development are hired and trained to work one-on-one with students, providing tutoring in core content areas such as college awareness, college application assistance, SAT preparation, and financial aid workshops. LPP is not limited to being a solely school-based program. It has become a hybrid incorporating campus-based activities, as well as collaborations with other school-based programs.

**Deliverables to the student:** School and Campus-based supplemental education services, including summer and academic year tutoring & homework assistance, Regents Review; SAT Prep and enriched academic courses; case management; academic, advocacy; college/career exploration and placement assistance; summer enrichment programs and internships; field trips; home visits, parent workshops; cultural enrichment; mentoring; field trips; college tours

**Number of Students served:** 223

**Cost per student:** $750.

**Where were 2007 NYU LPP Grads headed?** Bard College, Boricua College, Clarkson University, CUNY Borough of Manhattan Community College, CUNY City College, CUNY College of Staten Island, CUNY Hostos Community College, CUNY John Jay, CUNY Kingsborough Community College, CUNY Medgar Evers College, Le Cordon Bleu College of Culinary Arts (Atlanta), Marymount Manhattan College, St. Francis College, SUNY Delhi, SUNY Herkimer Community College, Technical Career Institute
**Name of P-16 Collaborations/Partnerships:** This TLQP Math, Science and Technology grant is a partnership among the Department of Teaching and Learning of the NYU Steinhardt School of Culture, Education and Human Development, the NYU School of Arts and Sciences and the NYC Department of Education.

**Deliverables to the student:**
Our program provides professional development for in-service math and science teachers both in their school and in the university. For a select group, tuition support is provided to help outstanding math and science teachers complete their Masters degree at New York University.

**Number of Students served:**
- Tuition Support: 6 teachers
- In-school mentoring: 21 teachers and administrators
- Professional Development
  - Sharing Our Success Conference: 300 teacher and researchers
  - Saturday Science Workshops: - 75 teachers
  - Participation at Professional Meetings: 20 teachers

**Cost per student:**
The cost per student is approximately $200 per year.

**Data on the success of the collaborations:**
Retention is high - over 95 percent of the participants are still in teaching, most in high needs schools in urban settings.
Two schools that we partner with both have made significant gains in student achievement based upon standardized test scores.
The professional development collaborations between teachers and university faculty continue to be very successful.
The Saturday Science Seminars attract an average of 75 teachers a session, and this public series has given rise to a popular course called Breakthroughs in Science, with over 20 science teachers taking it for credit this year.
Name of Institution: Niagara County Community College
Contact Person: Monica Lopoyda
Telephone: (716) 278-8171
Email: mlopoyda@niagaracc.suny.edu

Name of P-16 Collaboration/Partnerships: Liberty Partnerships Program

This program is a successful collaboration between the sole public, NCCC, and private postsecondary, Niagara University, educational institutions of Niagara County providing services to three Niagara County school districts. NLPP is a comprehensive year-round initiative whose goal is to enhance the academic, personal and career paths for Niagara County’s middle and high schools’ at-risk youth. Our local community organizations and businesses have joined us in increasing our services to Niagara’s youth. Due to the depth of our pooled resources, the Niagara Liberty Partnerships Program has a proven track record of serving at-risk youth of Niagara County. In addition to both post-secondary institutions working relationship, an additional partnership with Niagara County Department of Social Services has proven cost-effective and immeasurable to our participating students and their families. NCDSS has dedicated five Case Workers to our program. These five Case Workers are in our partner schools Monday-Friday, advocating for and mentoring our youth “to be all they can be” academically and personally. NLPP aims to graduate our students and assist in their preparedness for adulthood so that they may be contributing members of society.

Deliverables to the student: School and Campus-based supplemental education services, including summer and academic year tutoring & homework assistance, Regents Review; SAT Prep and enriched academic courses; case management; academic, personal & family counseling; crisis intervention & advocacy; college/career exploration and placement assistance; Parent Services; summer enrichment programs and internships; field trips; home visits, parent workshops; cultural enrichment; mentoring; field trips; college tours

Number of Students served: 321

Cost per student: SED/LPP $622
SED/LPP & other funding sources: $1,248

Data on the success of the collaborations:

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<tr>
<td>Graduation Rate</td>
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<td>74.2%</td>
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Where were 2007 Niagara County Community College LPP Grads headed? Bryant & Stratton College, Cornell University, Genesee Community College, Houghton College, Medaille College, Monroe Community College, Niagara County Community College, SUNY Buffalo, Syracuse University,
Niagara University

Name of Institution: Niagara University
Contact Person: Pat Fowler
Telephone: 716 286 8310
Email: pfowler@niagara.edu

Name of P-16 Collaborations/Partnerships: Teacher Leader Quality Partnership Grant - TLQP

Deliverables to the student: All professional development is offered by Niagara University College of Education / Institute of Applied Learning, the College of Arts and Sciences, and the Buffalo School District:

Credit-bearing College Coursework
Certification Training
Masters of Science Degree in Education
  Birth – 6, Early Childhood and Childhood
  Middle Childhood and Adolescence, 5-12 Social Studies
  Literacy Instruction
  Special Education
  Middle Childhood and Adolescence, 5-12 Spanish
Bachelor of Arts Degree, TESOL
Job-embedded Professional Development
Workshops
Institutes

Number of Students served: 68 participants

Cost per student: Tuition and Textbooks $2500.00 per student

Data on the success of the collaborations:
All participants work in the LEA district.

- 12 participants have received education degrees –1 Bachelors of Arts; 11 Master of Science degrees.
- One participant was inducted into Kappa Delta Pi International Honor Society.
  - Eleven participants are now novice teachers.
  - Two teachers have been teaching more than two years.
Twelve graduates serve on the TLQP Grant Mentor Advisory Board
- Ongoing professional development
  o NYS Teacher Certification Exams Training
  o University Program Advisement
  o NYS Teacher Certification Advisement
  o Child Abuse Seminar
  o School Violence Seminar
  o Generating Expectations for Student Achievement Training
  o International Leadership Conference
  o Reading First Summer Institute
Name of Institution:  Nottingham High School
Contact Person: Janice Hammerle
Telephone: 315 751-1907
Email: jhamme39@scsd.us

Name of P-16 Collaborations/Partnerships:  Learn and Serve America

Name of P-16 Collaborations/Partnerships:
Syracuse University
Lemoyne College
LLP
Hillside
InterFaith Works

Deliverables to the student:
Job Shadow and Intern Sites
Career Exploration
Campus tours for higher education opportunities
Academic Intervention Services
Academic Support
Networking opportunities
Guest Speakers and Presenters

Number of Students served:
75 Students

Cost per student:
1. $147.00
2. $300.00

Data on the success of the collaborations:
Data has shown that 100% of the students participating in the service learning program have graduated from high school and have attended college. In addition, 40% of the students have been in the top 20% of their graduating class.
Onondaga Community College

Name of Institution: Onondaga Community College
Contact Person: Kathy Pisegna
Telephone: (315) 435-6559
Email: pisegak@sunyocc.edu

Name of P-16 Collaborations/Partnerships: Liberty Partnerships Program

LPP at Onondaga Community College provides comprehensive pre-collegiate/ school dropout prevention-workforce development programs and services to high school students in the Syracuse City School District.

Deliverables to the student: School and Campus-based supplemental education services, including summer and academic year tutoring & homework assistance, Regents Review; SAT Prep and enriched academic courses; case management; academic, personal & family counseling; crisis intervention & advocacy; college/career exploration and placement assistance; Parent Services; summer enrichment programs and internships; field trips; home visits, parent workshops; cultural enrichment; mentoring; field trips; college tours; Transition to College activities and Transition to High School programming in partnerships with Syracuse University middle-school program. Scholarship opportunities through the Syracuse Liberty Partnerships Dollars for Scholars chapter, and through statewide LPP half-tuition scholarships. Employment opportunities through our partnerships with Hillside and CNY works.

Number of Students served: 297

Cost per student: $1,004

Data on the success of the collaborations:

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<td>20%</td>
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Where were 2007 Onondaga Community College LPP Grads headed?
Columbia College (Chicago), Cornell University, Delaware State University, Erie Community College, Finger Lakes Community College, Herkimer Community College, Monroe Community College, Onondaga Community College, SUNY Albany, SUNY Buffalo (SUC), SUNY Canton
The Liberty Partnerships Program provides comprehensive services to middle and senior high school students in the Newburgh and Middletown Enlarged City School Districts. LPP offers School and Campus-based supplemental education services, case management, academic, personal & family counseling; crisis intervention & advocacy; college/career exploration and placement assistance; Parent Services; internships; field trips; and Transition to High School/Transition to College programming.

**Deliverables to the student:** Rising Stars: Students in grades six through eight participate activities that feature academic enrichment classes, personal development workshops, career and offerings including, but not limited to, graphic and web-page design, photography, dance, theatre, and chess. **The Ninth Hour:** Ninth graders attend weekly meetings designed to assist them with their transition from junior high school to high school. All ninth graders have the opportunity to tour the local high school, shadow a high school student for a day and learn first hand about the high school experience. **Scholars on the Move:** Tenth and eleventh grade students meet weekly and participate in a two-tier program that includes both personal development and workforce preparation activities. Youth enrichment projects that provide technical training and skills in specific career areas including Performing Arts, Business & Information Systems, Engineering & Technology, Health Services, Natural & Agricultural Sciences, Human & Public Services. **College Counts** Students in grades 9-12 attend a comprehensive college preparation program that introduces students to the various steps they need to take during their high school years to prepare for college. **Parents Reach Out (PRO)** This arm of the Liberty Partnership Program is our way of bringing parents together to develop ideas and help coordinate program activities.

**Number of Students served:** 257

**Cost per student:** SED/LPP: $1,051 with other resources: $1,933

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**Where were 2007 Orange County Community College LPP Grads headed?** Bay Path University, CUNY Bronx Community College, Delaware State University, Dutchess County Community College, Hudson Valley Community College, Iona College, Johnson & Wales University, Long Island University, Mercy College, Morgan State University, Morehouse University, Orange County Community College, Pennsylvania State University, Schenectady County Community College, SUNY Albany, SUNY Buffalo (SUC),SUNY Cobleskill, SUNY New Paltz, Tompkins-Cortland Community College, Utica College, West Point Military Academy, Westchester County Community College
Name of P-16 Collaborations/Partnerships: Liberty Partnerships Program

Since its inception in 1993, Pace LPP has been dedicated to the advancement of historically under-represented and at-risk youth in two public high schools in New York City. Pace LPP’s services assist students in raising their academic standing, continue to college, or prepare for the workforce through an extensive, highly developed college admissions and workforce counseling program.

**Deliverables to the student** School and Campus-based supplemental education services, including summer and academic year tutoring & homework assistance, Regents Review; SAT Prep and enriched academic courses; case management; academic, personal & family counseling; crisis intervention & advocacy; college/career exploration and placement assistance; summer enrichment programs and internships; field trips; home visits, parent workshops; cultural enrichment; mentoring; field trips; college tours

**Number of Students served:** 250
**Cost per student:** $945

**Data on the success of the collaborations:**

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<td>Employment</td>
<td>1.4%</td>
<td>4%</td>
<td>4.3%</td>
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**Where were 2007 Pace University LPP Grads headed?** Babson College, Bowdoin College (Me), Clarkson University, Colgate University, Columbia University, CUNY Baruch College, CUNY Brooklyn College, CUNY City College, CUNY College of Staten Island, CUNY Honors/Brooklyn College, CUNY Hunter College, CUNY John Jay, CUNY Medgar Evers College, CUNY NY Technology Institute, , CUNY Queens College, CUNY Queensborough Community College, Daemen College, Dickinson College (Pa)Fordham University, Franklin & Marshall, Hamilton College, Keuka College, Manhattan College. Messiah College, Middlebury College, Nazareth College, New York University, Rochester Institute of Technology, Rutgers University, Smith College, St. Michaels College (Vt), Nazareth College, Skidmore College, SUNY Albany, SUNY Alfred, SUNY Binghamton, SUNY Buffalo (UB), SUNY Buffalo (SUC), SUNY Cortland, SUNY Oswego, SUNY Potsdam, SUNY Stony Brook, SUNY Old Westbury, Syracuse University, Tompkins Cortland Community College, University of Rochester, Utica College
Name of Institution: Pace University
Contact Person: Dr. Maria Iacullo-Bird, Project Director
               Dr. Patricia Ann Brock, Program Director
Telephone: 212-346-1107 & 1109
Email: miacullo-bird@pace.edu & pbrock@pace.edu

Name of P-16 Collaborations/Partnerships: TLQP

Deliverables to the student:
Pre-service and in-service academic support and advice,
Optional college credit,
Pre-service and in-service online and in-person mentoring,
Informal and formal workshops,
Grant/fellowship/scholarship advice,
Effective resource recommendations,
Educational policy issues & concerns updates & discussions;
Collaborative professional development research;
Professional presentation encouragement and support opportunities.

Number of Students served: 180

Cost per student: $1060.

Data on the success of the collaborations:
10 pre-service mentored participants were awarded [$220,000]; Rockefeller Brothers Fund Graduate
Fellowships for Aspiring Teachers of Color funding;
5 [$25,000] Summer in the City Teaching Internships;
1 [$3,500] Jewish Foundation for Education of Women award;
2 [$5,000] Hispanic pre-service teaching awards;
No participating partnership schools reported poor standings in their AYPs;
One high needs, high school institutionalized the TLQP-designed and directed science, math &
technology program;
All 251 reporting former participants are still in educational settings; a very large majority are
teachers, several in guidance counseling;
All participants in the TLQP-sponsored teacher test prep workshops passed the LAST & AST-W
exams.
Pratt Institute

Name of Institution: Pratt Institute
Contact Person: Frederick Watson
Telephone: (718) 636-3504
Email: fwatson@pratt.edu

Name of P-16 Collaborations/Partnerships: Liberty Partnerships Program

The Liberty Partnerships Program at Pratt Institute is a pre-collegiate/dropout prevention/workforce development program. For the past six years, Pratt Liberty Partnership Program has been providing remedial/enrichment tutorial services in English and basic mathematics to school-age children, in grades 5 through 12. And, for the past two years, we added career exploration courses on selected design occupations such as: Architecture and Industrial Design.

Deliverables to the Student: School and Campus-based supplemental education services, including summer and academic year tutoring & homework assistance, Regents Review; SAT Prep and enriched academic courses; case management; academic, personal & family counseling; crisis intervention & advocacy; college/career exploration and placement assistance; summer enrichment programs and internships; field trips; parent workshops; cultural enrichment; mentoring; field trips; college tours. **English & Math Fundamentals:** Provided are: remedial and enrichment services in English Language Arts and basic math. **Architecture:** This course uses a simplified version of the design process used by architects to solve problems, to teach students how to apply their language and math skills to solve real world problems. In the process, they will learn how to create physical models and keep journals to document their efforts. Their projects will be part of an end term exhibition and competition to be displayed in a Pratt studio. **Industrial Design** Everything that people use, from toothpaste tubes to sports cars, has the hands of a designer in it. In this course the students will explore how an industrial designer goes about designing products to satisfy human needs. Through hands-on projects, students will use their language and math skills to create new ideas for products that solve problems and meet the needs of the users.

Number of Students served: 99

Cost per student: $599
Name of Institute: Pratt Institute STEP Program  
Contact Person: Dr. Chuck Munster or Dr. Georgianna Glose  
Telephone Number: 718-636-3505 or 718-694-6957  
Email address: cmunster@pratt.edu or drglose@fortgreensnap.org

Name of Collaboration: Pratt Institute STEP Program and Fort Greene Strategic Neighborhood Action Partnership

Deliverables to the Students:
1. Two visits to colleges in NYS
2. Math curriculum to enhance students skills and enable academic success
3. Science curriculum focused on projects to enhance research and concepts in science
4. Technology skills development
5. Hands on architecture skill development
6. Participation in regional activities to enhance student networking.
7. Active Parent participation in all phases of the program and workshops offered on specific topics.

Number of students served per year: 60

Data on successes, honors and recognitions:

2005: Third place in State wide STEP Science Fair
2004: First graduating class: 8 students received more than 35K in scholarships. One student was a valedictorian.
Puerto Rican Youth Development

Name of Institution: PRYD
Contact Person: Gloria Torres
Telephone: (585) 325-3570
Email: gtorres@pryd.org

Name of P-16 Collaborations/Partnerships: Liberty Partnerships Program

Puerto Rican Youth Development & Resource Center offers comprehensive pre-collegiate school dropout prevention services to the Hispanic Community of Rochester in collaboration with the Rochester City School District, area colleges and universities and the local business community.

Deliverables to the Student:

Supplemental education services including homework assistance, tutoring, study skills, Regents Review and SAT Prep; academic advising, personal and family counseling services; referrals; crisis intervention; college/career exploration and placement assistance; parent engagement and support; mentoring; opportunity for service; family advocacy; translation services; field trips; cultural enrichment and recreation.

Enrollment: 137

Cost per Student: $1,127

Results

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<td>College&amp; Workforce</td>
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Where were PRYD LPP College-Bound Grads headed in 2007?
Monroe Community College, St. John Fisher College, State University College at Buffalo, University of Rochester
Name of Institution: Queensborough Community College
Contact Person: Sherri-Ann Simmons
Telephone: (718) 281-5009
Email: ssimmons@qcc.cuny.edu

Name of P-16 Collaborations: Liberty Partnerships Program - Project PRIZE

The Liberty Partnerships Program - Project PRIZE, provided comprehensive pre-collegiate/dropout prevention/workforce development programs and services to middle and senior high school students through afterschool, Saturday and Summer venues.

Deliverables to the Students: School and Campus-based supplemental education services, including summer and academic year tutoring & homework assistance, Regents Review; SAT Prep and enriched academic courses; academic, personal & family counseling; crisis intervention & advocacy; college/career exploration and placement assistance; programs, summer enrichment programs and internships; field trips; home visits; cultural enrichment; mentoring; field trips; college tours

Enrollment: 249

Cost per Student: $1,100

Results of Successful Collaborations

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<tr>
<td>Graduation Rate</td>
<td>84%</td>
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Where were Project Prize LPP Graduates headed in 2007?
CUNY- John Jay College, CUNY- Medgar Evers College, CUNY Queensborough Community College, Delaware State University, Hartford University, Morris College, Miami International School of Art & Design, South West University (Tennessee), SUNY Canton
Name of Institution:  STEP at Queensborough Community College  
Contact person(s):  Dr Joan Petersen  
Dr. Simran Sehmi  
Telephone:  718-631-6048 (Dr Petersen)  
718-281-5503 (Dr Sehmi)  
Email:  JPetersen@qcc.cuny.edu (Dr Petersen)  
SSehmi@qcc.cuny.edu (Dr Sehmi)  

Name of P-16 Collaboration/Partnership:  CSTEP at QCC; Project Prize (Liberty Partnership); Other regional C/STEP programs (Brooklyn, Queens, Staten Island)  

Deliverables to the Students:  
Academic Support  
• Instruction in Mathematics  
• Instruction and laboratory experience in Life Sciences (Living environment)  
Preparation for NY State Standardized tests  
• Instruction and Guidance for regents exams (Mathematics, Living Environment)  
Research Experience  
• Opportunities to work on original research projects  
• Preparation for presentation at Statewide conference  
Trips (conference & Post Secondary Institutions)  
• STEP Statewide Student Conference in Albany  
• STEP/CSTEP regional event at LaGuardia Community College  
• Alley Pond Environmental Center  

Number of Students Served (2006-2007):  20  
Data on Success of Collaboration:  We have just completed our first year, and have achieved the following:  
• Poster Presentations: Albany STEP Conference (5 student presenters)  
  1) Are there antibiotic resistant bacteria in Oakland Lake?  
  2) Role of soap and hand sanitizers in the reduction of bacteria on hands  
• Poster Presentation: STEP recognition Day: QCC (9 student presenters)  
  1) Alzheimer: A mind threatening disease  
  2) Antibiotic producing soil bacteria from upstate NY  
  3) PCR technique using hair samples  
  4) Antimicrobial properties of tea extracts  
  5) Are there antibiotic resistant bacteria in Oakland Lake?  
  6) Role of soap and hand sanitizers in the reduction of bacteria on hands  
• Student Awards  
  1. One student received a first place award at the Queens College Science Fair.  
  2. She was also chosen for the following: National Youth Leadership Forum on Medicine, American Leaders of Tomorrow, and College Now classes at her high school (sponsored by QCC)
**Name of institution**: Rensselaer Polytechnic Institute  
**Contact person**: Cynthia Smith  
**Telephone**: (518) 276-6266  
**Email**: smithc@rpi.edu

**Name of P-16 Collaboration/Partnership**: RPI STEP Program (7-12)  
(also RPI America Reads & America Counts, and Tutor Time (k-9) since 1999.)

**Deliverables to the students**: Academic support, research opportunities, pre-college program

**Number of students served**: 126 students in RPI STEP - 2006-7

**Data on the success of the collaborations**: Revitalization of the RPI STEP Program began in 2005-6. Active collaborations with 4 local schools, and student attendees from 12 schools in Rensselaer and eastern Albany counties.
Name of P-16 Collaboration/Partnership: TLQP.

We provided the following to the participants in our program last year:

- after school workshops stressing inquiry pedagogy and technology integration;
- in-school mentoring, through class visits;
- in-school workshops on the integration of interactive technologies into mathematics teaching;
- presentations in pre-service college classrooms;
- several half-day workshops on LEGO Robotics held at RPI and provided RPI Mentors to work afterwards with the teachers who attended these workshops;
- two multi-day summer institutes on interactive technologies

Number of Participants: 40

We spent roughly $1,746 per participant.

Evidence of Effectiveness:

- Teachers reported that students who had believed that they could not do math gained confidence and began to take risks in math class;
- Students’ math scores improved on standardized tests;
- A middle school teacher reported that her students’ scores rose on the math assessment test: in the 2005-06 school year, almost all of her 6th graders scored either Level I or II, while this past year (2006-07) eleven out of her approximately fifty 7th graders scored a Level III on the NYS exam.
- A fifth grade teacher reported: “Using the inquiry math model of instruction, my students began to see, discuss and apply math to other math challenges, as well as, science content. I was especially pleased to see how the students began to build upon these experiences, to open their minds to think “outside the box” and to build and gain confidence in tackling new skills/concepts/challenges. This experience also helped the social development of many students as they learned to work cooperatively, tolerate others thinking and viewpoints.”
- A fourth grade teacher said: “I feel that this program has increased my students’ interest and enthusiasm toward math, and that they have been “talking” more about math which helps in increasing their understanding about concepts. The activities involved in this program connect the students to the “real world,” which helps to increase their curiosity.”
Collaborations with Rochester City School District, Rush Henrietta School District, Iglesia Educational Center

Number of students served – 2006-07 285

Deliverables to students:

Academic Support:
- NOVA Saturday Academy – program includes a 1 hrs class in math and reading skill building, community building and a 3 hr workshop in science, math or technology, led by RIT professors
- 35 students completed a 10 week program (2800 contact hours)
- Math Tutoring
- SAT Prep Classes

College and Career Exploration:
- Two 4 day NYS college tours for students in grades 11&12 - 33 students attended
  - Campuses visited – Syracuse Univ, ESF, St. Lawrence, Clarkson, Potsdam, Hobart, Ithaca, SUNY Binghamton, St. Bonaventure
  - RIT Open House – 24 students attended. Career exploration, admissions process, financial aid, and campus life.
  - Career exploration to local manufacturing plant. 14 students attended a 4 hour field trip

Clubs, Competitions and Conferences:
- Inventors’ Club National Society of Black Engineers (NSBE) Junior – membership offered to all STEP students.
- STEP Annual Conference – Albany, NY 14 students attended
- STEP Research Project Competition - Two teams presented.
- Rochester Regional MCC Science Bowl – Roch.NY
- RIT Math Bowl – Roch.NY

Graduation Rate:
- 49 Seniors 47 graduates 96% graduation rate

Program Successes

Program Growth:
- 2005-06 RIT STEP program served 105 students in one school.
- 2006-07 RIT STEP program served 285 students in 6 schools.
- Increased funding from NYS allowed the program to expand to 5 additional schools. Recruitment is ongoing.

Expanded Services:
- NOVA Saturday Academy College Tours Inventors’ Club
- Academic Competitions: Math Bowl, Science Bowl
- National Society of Black Engineers Junior Chapter Membership

Collaboration with Regional STEP and CSTEP programs –
- Planned, implemented and contributed financial support for the Day of Service Activities
- Developed plans for and contracted vendor to produce a STEP/CSTEP Regional Video.
Name of P-16 Collaborations/Partnerships: Teacher Leader Quality Partnership

Deliverables to the student: Curriculum has been written to include NY State Department of Education Elementary Science Standards.
Exploring Physical Science - 3 credits
Exploring Biology & Earth Science – 3 credits

Number of Students served: There are 22 students in each class.

Cost per student: $209 per student from TLQP grant

Data on the success of the collaborations:
The pre-service students are enrolled in the Exploring Science Classes. They are undergraduate students and will be teachers in a few years.
Schenectady County Community College

Name of Institution:  Schenectady County Community College
Contact Person:  Jennifer Lawrence
Telephone:  (518) 381-1364
Email:  lawrenja@gw.sunysccc.edu

Name of P-16 Collaborations/Partnerships:  Liberty Partnerships Program

The Liberty Partnerships Program at Schenectady County Community College provides comprehensive pre-collegiate/dropout prevention/workforce development programs and services to students and family members residing with the Schenectady City School District.

Services include: Supplemental academic intervention services including, tutoring, homework assistance and Regents reviews; college/career exploration and placement assistance; internships; and employment opportunities; individual, group, and family counseling; crisis intervention; parent support and workshops; field trips and enrichment activities.

Actual Student Enrollment:  132

Cost per student:
SED/LPP:  $1,088
SED/LPP & Other Resources:  $1,794

Where were 2007 Schenectady County Community College LPP Grads headed?
Hudson Valley Community College, Schenectady Community College, Russell Sage College
Name of Institution: School of Visual Arts  
Contact Person: Molaundo Jones  
Telephone: (212) 592-2507  
Email: Mjones6@sva.edu

Name of P-16 Collaborations/Partnerships: Liberty Partnerships Program

The School of Visual Arts (SVA) Liberty Partnerships Program is based on a strong belief in the importance of the arts in education and the vital role the arts play in fostering achievement and growth, especially for at-risk youth. The School of Visual Arts is a dominant force in American arts education, committed to the professional education of artists. The High School of Art & Design—SVA Liberty Partnerships Program’s partner institution— is a four-year career and technical education high school and the only New York City high school for the development of students interested in the commercial arts. With our schools’ missions closely aligned, the Liberty Partnerships Program is set to prepare students to make a successful transition from high school to college, and ultimately, into the workforce.

Deliverables to the Student: Supplemental educational support: tutoring in all core subjects, Regents Review, SAT prep, as well as help with various school projects; College and Career Counseling in Fine & Performing Arts and Placement assistance; Saturday & Summer Programs at the School of Visual Arts that provide Liberty students the opportunity to experience college on a weekly basis. While on-campus at SVA, students receive 5 hours of college-level, culturally enriching programming including classes in graphic design, sculpture, painting, and drawing. In addition, Saturday and Summer LPP participants have the dynamic opportunity to tour some of the best colleges, museums, and galleries in New York City.

Mentoring Program & Parent Engagement

Enrollment: 134  
Cost per Student: $1,289

Outcomes of Successful Collaboration
2003-2007: Student/School Persistence Rate: 100% Graduation Rate: 100%

Where were 2007 SVA LPP graduates students headed?
(CUNY) Baruch College, Coopers Union, School of Visual Arts, Pratt Institute, Savannah College of Arts
**St. John’s University**

**Name of Institution:** St. Johns University  
**Contact Person:** Alenhandrina Amaro  
**Telephone:** (718) 990-1374  
**Email:** amaroa@stjohns.edu

**Name of P-16 Collaborations/Partnerships:** The St. John’s University, College Bound: Liberty Partnerships Program

Offering Services from both the Queens and Staten Island Campuses, The College Bound: Liberty Partnerships Program (CB:LPP) seeks to help at-risk students realize the potential in all aspects of their lives.

**Deliverables:** The program offers aggressive school and campus-based supplemental education services that includes, homework assistance, tutoring, Regents Prep and SAT Reviews, enriched developmental and advance ELA, science and math workshops; academic advising; personal and family counseling; crisis intervention; college/career exploration and placement assistance; mentoring and opportunity for service

**Student Enrollment:** 319  
**Cost per Student:**  
SED/LPP: $948  
LPP & Other Sources: $1,164

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<td>2006-2007</td>
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**Where were St. Johns LPP Graduates headed in 2007?**
CUNY College of Staten Island, CUNY LaGuardia Community College, CUNY Medgar Evers College, CUNY Queens College, CUNY Queensborough Community College, Delaware State College, Manhattan College, Poland Medical School, St. Johns University, SUNY Cobleskill, SUNY Stony Brook,
We collaborate w/CSTEP here and at SUNY OLD WESTBURY, SUNY at FARMINGDALE, Hofstra University, Stony Brook University, College of Staten Island, Suffolk County Community College, NYCOM and NYIT, St. John the Baptist Alliance.

We provide structured classes during the academic year in Literature for Science, Science,& Math. We also provide tutoring for secondary school science and math. We also do SAT/PSAT PREP; TACHS and specialized school entrance exams. We have been fortunate that our graduation rate has been 100% and that more than 95% of our graduates have enrolled in college. Many have completed their BA; some a Masters and 2 a JD. We service 60 students in 39 schools.
**SUC Buffalo**

**Institution:** SUC Buffalo S.T.E.P. Program

**Contact:** Darryl Carter

**Telephone:** 716-878-6522

**Email:** carterdc@buffalostate.edu

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**P-16 Collaboration/Partnership:**

- S.T.E.P. (University at Buffalo)
- Medical S.T.E.P. (University at Buffalo)
- CSTEP (University at Buffalo)
- CSTEP (Buffalo State College)

**Other Collaborations:** Buffalo PS, EOP (Buffalo State College), SSP (Buffalo State College)

**Deliverables to students:**

- Academic Support
- Counseling
- Career Awareness
- Self Development
- Resource Building
- Enrichment

**Number of students served:** 100 (unduplicated)

**Data on Success:**

- Increases enrollment
- Increased male enrollment and retention (current rate of enrollment @ 42%)
- Continued and increased success for 8th grade STEP students scoring at high levels on state wide assessment tests (current targeting rate @ 90%)
- Steady increase of students taking AP honors courses
- Continued annual increase in SAT averages
- Increased matriculation into STEP targeted fields (50% profile this year)

**Honors/Recognition (statewide):**

- City Honors School (Program School)- We currently have 5 students enrolled at this school which was recently rated 8th nationally and the best school in NYS.
- STEP Science Teacher, Tanya Johnson is a member of the Buffalo Science Teachers’ Network and presented at the Science Teachers Association of NYS. A few former STEP students and their success: Carl Bulls, graduate of RIT in the field of Medical Sciences. Mark Boyd attended University at Buffalo and majored in Accounting. He is currently a Chief of Staff through City Hall in Buffalo, NY. Marcus Chilsom attended Howard University and majored in Engineering and is currently employed as an Electrical Systems Engineer for the Tennessee Valley Authority. BreAnn Lee obtained her Doctorate and is currently employed at Women and Children’s Hospital of Buffalo.
P-16Collaboration/Partnership: Liberty Partnerships Program

Liberty Partnerships Program at the State College at Buffalo facilitates the goals, aspirations and academic achievement at-risk youth as they progress through the educational system. The LPP in collaboration with the School of Education is developing a summer component to align with the Empire Promise Teacher Opportunity Corp and in conjunction with our year long Future Teachers Clubs. The LPP Empire Promise Teacher Opportunity Corp will provide students interested in the teaching profession with courses and experiences designed to provide an advantage in pursuing undergraduate and graduate study in teaching. We are promoting this program because of the need in New York State to invest in students who will continue to live, work and teach in New York State.

Deliverables: School and Campus-based supplemental education services, including summer and academic year tutoring & homework assistance, Regents Review; SAT Prep and enriched academic courses; case management; academic, advocacy; college/career exploration and placement assistance; summer enrichment programs and internships; field trips; home visits, parent workshops; cultural enrichment; mentoring; field trips; college tours

Student Enrollment: 450
Cost per student: $790.00

Results of Successful Collaborations:

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Where were SUC Buffalo LPP graduates headed in 2007? Airline Academy- Jet Blue; Canisius College, Culinary Arts Institute of Pittsburgh, Daemen College, Erie Community College, Howard University, Jacksonville Community College, Medaille College, Niagara County Community College, Norfolk State University, Oral Roberts University, SUC Buffalo, Trocaire College, USAF Community College
Name of Institution: SUC Purchase
Contact Person: Gregorianne Rollins
Telephone: (914) 251-6891
Email: Gregoriann.rollins@purchase.edu

Name of P-16 Collaboration and Partnership: Liberty Partnerships Program

Great Potential Program – Liberty Partnerships Program at Purchase College, SUNY

The Liberty Partnerships Program at the State University College at Purchase offers comprehensive pre-collegiate/dropout prevention programs and services in collaboration with eight Westchester County school districts, not-for profit agencies and the business.

**Deliverables to the Student:** Supplemental School and Campus-based services, including summer and academic year tutoring & homework assistance, Regents Review; SAT Prep and enriched academic courses; case management; academic, personal & family counseling; crisis intervention & advocacy; college/career exploration and placement assistance; four-week Summer Academy; internships; Leadership Development; field trips; home visits, parent workshops; cultural enrichment; mentoring; field trips; college tours

**Enrollment:** 300
**Cost per Student:** $1,006

**Results**

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<tbody>
<tr>
<td>Student/School Persistence Rate</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
</tr>
<tr>
<td>Graduation Rate</td>
<td>87.5%</td>
<td>79.3%</td>
<td>81.4%</td>
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<tr>
<td>College-Going Rate</td>
<td>88.1</td>
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<td>85.7</td>
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<tr>
<td>Workforce</td>
<td>11.9%</td>
<td></td>
<td>14.3%</td>
<td>NA</td>
</tr>
</tbody>
</table>

**Where were SUNY Purchase LPP Grads headed in 2007?**
CUNY Bronx Community College, Lincoln Technical College (New York), Lincoln University (Pennsylvania), SUNY Buffalo, SUNY Old Westbury, SUNY Westchester Community College
Name of institution: SUNY Purchase College STEP
> Contact person: Peter W. R. Corfield
> Telephone: 914-251-6675
> Email: pwrc@zephyr.ns.purchase.edu

Name of P-16 Collaboration/Partnership: Science and Technology Entry Program (STEP), Regional Partnership of Schools and Colleges at Purchase College and any other major collaborations that your institution has in support of STEP.

Deliverables to the students: Hands-on lab science instruction, Regents review for science and math, computer technology, tutoring, college preparation and tours, science trips, SAT review, Parent Component, Overnight summer camping, etc.

Number of students served: unduplicated headcount - 117

Data on the success of the collaborations: Success over the past 5 years of the program. Statewide/national honors or recognition awards. 85-90% year-to-year program retention; 95% seniors enter college immediately after graduation; average SAT scores last year of 1645 were 130 points above national average; 9 students enrolled in AP science or math curses last year and 4 took and passed Calculus I at Purchase College for 4 college credits each; program enrolled 40% Latinos over past several years, and close to 50% males; several students in national or NYS honors societies.
Name of Institution: SUNY Albany
Contact Person: Candi Griffin
Telephone: (518) 442-3885
Email: griffinc@albany.edu

Name of Institution: University at Albany
Department or Unit: Liberty Partnerships Program at Center for women in Government & Civil Society
Contact Person: Candi M. Griffin-Jenkins, Director
Telephone: 518-442-3885
Email: griffinc@albany.edu

Name of P-16 Collaborations/Partnerships: Liberty Partnerships Program

Liberty Partnerships Program ~ Rising Stars

Liberty Partnerships Program at the Center for Women in Government & Civil Society at the University at Albany provides comprehensive pre-collegiate/dropout prevention services to senior and middle school students in collaboration with the Albany City School District.

Deliverables to the student:

School and campus-based supplemental education services including tutoring and homework assistance, Regents Review and SAT Prep; academic advising, personal/family counseling services; crisis intervention; college/career counseling and placement assistance; mentoring; opportunity for service; peer support groups, a six week summer internship program; academic scholarships; and, parent engagement.

Number of Students served: 250 students
Cost per student: $840 dollars

Data on the success of the collaborations:

Our program has been in operation at the Center for Women in Government at the University at Albany since 1992. In the past five years our program’s persistence rate is 98%, Graduation rate is 90% with 85% of our graduates attending a two or four year college or university.

Where were SUNY Albany LPP Grads headed in 2007?

College of St. Rose, Hudson Valley Community College, SUNY Morrisville. SUNY New Paltz, Virginia Union
Name of Institution: SUNY Albany
Contact person: Dr. Carson Carr
Telephone: 518-442-5180
Email: ccarr@uamail.albany.edu

Name of P-16 Collaboration/Partnership: Science and Technology Entry Program (STEP)

The Science and Technology Entry Program (STEP) is administered through the Office of Academic Support Services at University at Albany in cooperation with several organizations, departments and academic institutions in the capital region. STEP designs technology-based learning activities for urban youth.

In collaboration with the Albany City School District, STEP formed science clubs to provide after-school hands-on enrichment activities for students. Over the last year STEP implemented its tutoring/mentoring component that allows students to have a real college experience on campus. STEP provides SAT review sessions and takes students on numerous college visits and cultural trips. As part of the Albany High School Alliance with The University at Albany, at least a group of 30 different 9th graders visit the university bi-weekly, to learn about the programs and services UAlbany has to offer. STEP is concerned about issues of equity, access and providing opportunities for students to learn how technology affects all aspects of our lives. Students are directed to study for the licensed professions. The Albany City School District has a long history of support for STEP and provides access to school facilities, personal and technical support. Many of our students are from Abrookin Vocational Center, Albany High School, Philip Livingston Academy, Hackett Middle School and North Albany Academy.

The UAlbany STEP Program was first stated in 1988. According to our internal records, the STEP Program has served over 2200 unduplicated number of participants. Many came in the program as middle school students and their program retention rates have exceeded eighty percent. Based on program records, over 90% of the seniors have entered college with 2/3 matriculated in the fields with low representations of people of color. The UAlbany is proud of its extensive involvement with the STEP Program and plans more extensive programming.

In the last 3 years, over 20 STEP students received the High School Achievers of Color award from The University at Albany. Students also won 3 out of 4 top prizes at STEP statewide conference poster contest.
The Binghamton University Liberty Partnership Program (BU/LPP) is a collaborative initiative between the colleges, schools and community agencies in the Southern Tier of New York State. This LPP concentrates on the critical transition periods from elementary to middle school, middle to high school and high school to college or meaningful employment. The program strongly encourages students to pursue academic excellence, postsecondary education and to apply for available scholarships.

**Deliverables:** Academic immersion including tutoring, homework assistance, academic advising, college courses in high school; interpersonal and family counseling; crisis intervention; college & career exploration and placement assistance; parent engagement; field trips; mentoring; social and cultural enrichment activities and opportunity for service

**Student Enrollment:** 253

**Cost per Student:** NYSED/LPP funding only; $1022.53 per student

**Results of Successful Collaborations**

<table>
<thead>
<tr>
<th>Program Year</th>
<th>Promotion Rate *</th>
<th>Student/School Persistence</th>
<th>Graduation Rates</th>
<th>College College/Workforce</th>
</tr>
</thead>
<tbody>
<tr>
<td>2002-03</td>
<td>97.20 %</td>
<td>100%</td>
<td>88.5%</td>
<td>90%</td>
</tr>
<tr>
<td>2003-04</td>
<td>95.50</td>
<td>100%</td>
<td>76.7</td>
<td>99%</td>
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<tr>
<td>2004-05</td>
<td>97.40</td>
<td>100%</td>
<td>83.3</td>
<td>100%</td>
</tr>
<tr>
<td>2005-06</td>
<td>97.07</td>
<td>99.2%</td>
<td>87.5</td>
<td>100%</td>
</tr>
<tr>
<td>2006-07</td>
<td>98.19</td>
<td>99.6%</td>
<td>75%</td>
<td>93%</td>
</tr>
</tbody>
</table>

- Promotion rate is the percentage of active participants in grades 6 through 12 who were promoted to the next grade

**Where were SUNY Binghamton LPP Grads headed in 2007?**
Broome Community College, Hartwick College, SUNY Delhi
Name of P-16 Collaborations/Partnerships: Teacher-Leader Quality Partnerships (partnerships between four institutions of higher education and eight small-city school districts)

Deliverables to the student: improved mathematics instruction—via professional development to their teachers

Number of Students served: approximately (87 in-service teachers x 100 students per teacher = 8700 total students served, minimum)

Cost per student: approximately $41.00 per student, assuming that each teacher has only 100 students; there are no other grant sources

Data on the success of the collaborations: positive evaluations by teachers on evaluation instruments by outside evaluator; improved scores on Math 8 exam; improved confidence of teachers
Name of P-16 Collaborations/Partnerships: TOC collaborates with TLQP, McNair and C-Step.

Deliverables to the student: Pre-service teachers tutor K-12 students, observe and participate in K-12 schools, and are student teachers in high need schools.

Number of Students served: K-12 students served = approximately 400 students per year.

Cost per student: Approximately $600.

Data on the success of the collaborations: Recruitment and retention of pre-service undergraduate candidates in undergraduate teacher education programs is 95%. Graduation rate is 100%. Ninety percent of graduates remain in teaching. Six graduates have earned a doctoral degree.
**Name of P-16 Collaborations/Partnerships:** TLQP collaborates with TOC, McNair, C-STEP, CMST

**Deliverables to the student:** Professional Development for preservice and inservice **teachers**, tutoring for K-12 students, **college credit for interns, college credit for teachers**

**Number of Students served:** K-12 students served = approximately 155 per year, Teachers served = approximately 160 per year

**Cost per student:** 1: K-12 student approximately $250, preservice and inservice teachers approximately $250

**Data on the success of the collaborations:** Improved student (K-12) performance on the 4th grade ELA and 8th grade ELA; 95% retention of teachers in high need schools, five of the interns from program have been recognized as “best first year teacher” in their respective school districts
Name of P-16 Collaboration/Partnership: Liberty Partnerships Program

The University at Buffalo Liberty Partnerships Program provides comprehensive pre-collegiate dropout prevention services design to enhance the abilities of at-risk youth to complete high school, fully prepared for the rigors of higher education and the complexities of a global economy.

Deliverables: Supplemental school and campus-based education services that include: tutoring in all subjects, enriched developmental and advanced courses in mathematics, English Language Arts, Social Studies, Media Production, Financial Literacy; Regents Review & SAT Preparation; College and Career exploration and placement assistance; college tours; personal and family counseling; cultural enrichment; workforce preparation; parent engagement; student advocacy

Number of Students Served 2006-2007: 744

Cost per Student 2006-2007: $701

Success of Program 2002-03 through 2006-07:
- UB LPP served 1604 students from 41 different schools
- LPP Student Honors and Recognitions
  - National Junior Honor Society
  - New York State Attorney General Triple C Award
  - College Scholarships – Academic and Athletic
  - High School Senior Class Valedictorian
  - Middle School and High School Honor Roll

Partial Listing of Alumni College Placements

University at Buffalo, Buffalo State College, Canisius College, Medaille College, St. John Fisher, Howard University, Daemen College, Erie Community College, Niagara Community College, Morgan State, D’Youville College, Alabama State University, Wittenburg University
Name of Institution: SUNY Buffalo  
Contact Person: Patricia E. Clark  
Telephone: (716) 829-3474  
Email: peclark@buffalo.edu

Name of P-16 Collaboration/Partnership: Science and Technology Entry Program (STEP)

- **UB**  
  Upward Bound, Liberty Partnerships, Reading First, Student Response Center, School of Social Work, Teacher Education Institute, Admissions, C-STEP, Dental Medicine, Physics Department, C P.M College-Public Internship Program, School of Engineering & Applied Science, Educational Opportunity Center, Career Planning & Placement, Buffalo Engineering Awareness for Minorities (BEAM), National Society of Black Engineers, Society of Hispanic Professional Engineers (SHPE)

- **WNY Regional STEP and C-STEP, Buffalo State College STEP and C-STEP, Buffalo Board of Education; Empire State College; Local School Districts; Erie Community College and Business and Community Organizations, e.g.:** Family Court of the State of New York, John L. DeBerry III, MD PC, KALEIDA Health-Children’s Hospital, Rite Aid Pharmacy, Computer’s for Children, Banks Physical Therapy, Salvation Army, Cornerstone Women’s Shelter, Buffalo Zoo, Buffalo Federation of Neighborhood Centers, Gloria J Parks Community Center, Buffalo City Mission

**Deliverables to the students**
- Academic: Sequential Math and Science Instruction, Computer Science and Dentistry
- Counseling: Personal, Career Awareness and College Admissions/College Readiness
- Other: College Tours, Field Tips, Internships and Research and the STEP Parents’ Association who provides advocacy effort, and raised $15,000 in scholarships over the past five years.

**Number of Students Served:** 120 currently

**Success of Program 2002-2006:**
- UB STEP served 347 students from 30 different schools in the Buffalo-area
- Counseling: 44,663 hours of academic, career, financial and personal counseling.
- Tutoring: 192,101 hours in Regents sequential math, science, foreign and language arts.
- Internships: 10,411 hours of internship service with collaborative organizations.
- Scholarships/Grants: approximately $2,348,617 was secured for our seniors.
- National honors and Recognition awards: National Society of High School Scholars Award, National Honor Roll, National Conference For Community And Justice Leadership Award, Lead America Congressional Student Leadership Conference Achievement, City of Buffalo Community Service Award, Buffalo Urban League Youth Award, Who’s Who Among American High School Students, Business First Award, Ford African American Network Leadership Award.
- UB STEP Day of Service: Presentation to 1000 students in Buffalo schools regarding STEM fields and the licensed professions.
- UB STEP is currently preparing a second generation of STEP students.
Name of P-16 Collaboration/Partnership: Liberty Partnerships Program

Partnering with SUNY Cobleskill and area school districts, they developed a comprehensive program aimed at motivating students to complete high school and go on to college or find meaningful employment. Together with parents, community-based agencies, and local businesses, the Liberty Partnerships Program helps students take full advantage of their potential and succeed in an increasingly technological and knowledge-based society.

Student Enrollment: 350 students, grades 7-12 in seven school districts in Schoharie, Albany and Schenectady counties.

Deliverables: Supplemental educational services including: tutoring and homework assistance; academic advisement; counseling services & crisis intervention; college/career exploration and placement assistance; admissions to SUNY Cobleskill; parent engagement and support; cultural & educational field trips.

Results of Successful Collaborations:

Over the past five years (averaged), this program has attained the following success rates:

- Drop out rate: 0.2%
- Graduation rate: 91%
- Post-Secondary Enrollment: 65%
- Program Retention rate: 85%

The cost per student by LPP is $800.15
Including other sources $893.00
**Name of Institution:** SUNY Cobleskill  
**Contact Person:** Samuel Shevat  
**Telephone:** 518.255.5552  
**Email:** shevats@cobleskill.edu

**Name of P-16 Collaborations/Partnerships:** College in High School Program – a concurrent enrollment, advanced program for high school seniors to earn college credit within their respective high schools. High school instructors are adjunct professors at the college.

**Deliverables to the student:** Students receive SUNY Cobleskill credit (and an official transcript) transferable to any receiving college for advanced standing as a freshman.

**Number of Students served:** Over 300 (duplicated) students within this rural county area were served in the 2006-07 school year and over 300 are anticipated to be served in 2007-08.

**Cost per student:** Students pay $50.00 (a reduced rate) per credit hour for each course. Scholarships through foundations and other contributions at both SUNY Cobleskill and local high schools are available.

**Data on the success of the collaborations:** Student participation has steadily increased with an average of over 290 students receiving credit in each of the past three years (246 in 2004-05; 289 in 2005-06; and 337 in 2006-07). The rate of completion of those who commenced the courses and then received credit is in the 98% range.
Name of Institution: SUNY Cobleskill
Contact Person: Samuel Shevat; Terry Hughes
Telephone: 518.255.5552
Email: shevats@cobleskill.edu

**Name of P-16 Collaborations/Partnerships:**

Tech Prep: SUNY Cobleskill has been the lead institution in a Tech Prep Consortium for 16 years. While this consortium has been focused on Agriculture and Natural Resources, all other technical program areas have benefited from the enhanced relationships that have developed between postsecondary and secondary institutions and their faculty and staff.

**Deliverables to the student:**

New rigorous secondary curricula have been developed and joint faculty (100\year) professional development has resulted in delivering a high quality educational experience to students. The program provides dual credit options for students to get a jump start on their college program. Over 500 students per year have been provided the opportunity to visit multiple colleges to assist in developing their educational planning.

**Number of Students served:**

The consortium has served and affected 2000 students in 70 schools across the state. There are currently 70 Articulation Agreements with schools in New York and 28 agreements with out of state schools. Students from these schools receive credit upon matriculating as SUNY Cobleskill students.

**Cost per student:** The Tech Prep grant has been an average of about $170,000.00 per year.

**Data on the success of the collaborations:** Data results have shown significant increase in the student’s first semester gpa and graduation rates. The AG Tech Prep Professional Development model was selected as an Outstanding Poster Presentation in 2006 by the American Association of Agriculture Educators (a university teacher educator professional organization).
Name of Institution: SUNY Cortland
Contact Person: Jean Rightmire
Telephone: (607) 753-5663
Email: rightmirej@cortland.edu

Name of P-16 Collaborations/Partnerships: Liberty Partnerships Program

Located primarily in the central part of the state, much of the service area contains small rural districts. SUNY Cortland has demonstrated its commitment of working with schools and youth in the communities it serves. With a strong career center and faculty expertise in education and many related areas, LPP has drawn on faculty, student services, staff and students to enhance the resources for LPP students while in school and as they enter post secondary education.

Deliverables to the Student: School and Campus-based supplemental education services, including summer and academic year tutoring & homework assistance, Regents Review; SAT Prep and enriched academic courses; case management; academic, advocacy; college/career exploration and placement assistance; summer enrichment programs and internships; field trips; home visits, parent workshops; cultural enrichment; mentoring; field trips; college tours

Enrollment: 400
Cost Per Student: $851

Results of Successful Collaborations:

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<tbody>
<tr>
<td>Student/School Persistence Rate</td>
<td>100%</td>
<td>99.4%</td>
<td>98.5%</td>
<td>99.2%</td>
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<tr>
<td>Graduation Rate</td>
<td>78.7%</td>
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<tr>
<td>College Going Rate</td>
<td>37.8%</td>
<td>54.1%</td>
<td>50%</td>
<td>56.5%</td>
</tr>
<tr>
<td>Workforce Entry Rate</td>
<td>59.5%</td>
<td>40.5%</td>
<td>40.5%</td>
<td>30.4%</td>
</tr>
</tbody>
</table>

Where were SUNY Cortland Grads headed in 2007?
Monroe Community College, Mohawk Valley Community College, SUNY Alfred, SUNY Cobleskill, SUNY Plattsburgh, Tompkins Cortland County Community College, Cornell University Electrician Union/Apprenticeship
Name of institution: SUNY – Farmingdale
Contact person: Dr. V. Raju
Telephone: 631-420-2310
Email: raju@farmingdale.edu

Name of P-16 Collaboration/Partnership: Science and Technology Entry Program (STEP) and any other major collaborations that your institution has in support of STEP.

- Society of Manufacturing Engineers
- Surface Mount Technology Association
- American Society for Mechanical Engineers
- Solar Energy Center of Long Island
- KeySpan Foundation
- Long Island Forum for Technology
- Motorola
- MDS Labs
- OSI Pharmaceuticals
- ICON Labs

Deliverables to the students: ()

- Saturday Academy for academic programs and support
- Summer camps
- Research Projects
- Internship Projects
- Exam Preparations
- College Credit
- Visit to institutions of higher education
- Visit to national labs and industry sites
- Participation in Farmingdale Science and Technology Conference
- Participation in state-wide educational / industry conference

Number of students served: unduplicated headcount: 211

Data on the success of the collaborations:

- Conference / poster presentations – 32
- Award winners in regional programs – 15
Name of P-16 Collaboration/Partnership: Liberty Partnerships Program

Program Summary: This program works in collaboration with school districts, community organizations and businesses to provide creative, diverse, and positive services to 7-12th grade students who are referred to our program as being “at-risk” of dropping out of school. Factors determining students eligibility are varied, including but not limited to: poor academics, absenteeism, tardiness, behavior/discipline problems, history of abuse, homelessness, negative peer influences, adverse family changes, limited English proficiency and teen pregnancy. Our workshops and functions introduce students and their families to enriching experiences that are social, cultural, educational and empowering. Students and parents are encouraged to participate in program planning by regularly attending TAB (Teen Advisory Board) and PAB (Parent Advisory Board) meetings.

Deliverables to the Student: Supplement education services including: homework assistance, tutoring, Regents review and SAT prep, developmental and enriched academic courses; academic, personal and family counseling; crisis intervention; college/career exploration and placement assistance; mentoring; student interest-related clubs

Enrollment: 197
Cost Per Student: $1,255

2006-2007 Statistics:
100% of our students graduated, 100 % of our graduates received Regents diplomas.

Where were SUNY Farmingdale LPP Students headed in 2007?
St. Johns University, SUNY Buffalo, SUNY Farmingdale, Suffolk County Community College
Housed within the School of Education, the Liberty Partnerships Program has been providing pre-collegiate school dropout prevention services to rural Western New York since inception in 1989-90.

Full-time LPP staff are assigned to each participating school building and LPP is a formal part of each student’s class schedule. Parent engagement is an important component of our program. Our rural location and the lack of transportation have necessitated a creative – take the services to the parents-approach. Over the last 5 years we have averaged 1,200 home visits per year in addition to individualized letters and emails to keep the parents apprised of school rules, activities, problems and LPP student progress.

**Deliverables to the Student**: School-based supplemental educational support services including homework assistance, tutoring and Regents Prep; case management, academic, personal & family counseling services; crisis intervention; college/career exploration and placement assistance; parent involvement; family outreach/home visits; mentoring; cultural enrichment; field trips;

Enrollment: 351

Cost per Student: $840

**Results of Successful Collaborations**

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<tbody>
<tr>
<td>Student/School Persistence Rate</td>
<td>99.3%</td>
<td>100%</td>
<td>98.7%</td>
<td>98.4%</td>
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<tr>
<td>Graduation Rate</td>
<td>87.2</td>
<td>89.4</td>
<td>76.2%</td>
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</tr>
<tr>
<td>College/workforce-Bound</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
<td>100%</td>
</tr>
</tbody>
</table>

**Where were College-Bound SUNY Fredonia LPP Graduates headed in 2007?**

Erie County Community College, Jamestown Community College, Niagara County Community College, Ohio Technology Institute, SUNY Fredonia
Name of Institution: SUNY Fredonia  
Contact Person: Dr. Cynthia Smith  
Telephone: 716.673-4658  
Email: Cynthia.smith@fredonia.edu

Name of P-16 Collaborations/Partnerships: Teacher Opportunity Corps; EDU 380 Working with At-Risk Youth; Dunkirk School 5

Deliverables to the student: Professional Development Workshops; NYS Certification Testing support; college credit (EDU 380); field experiences

Number of Students served: 25

Cost per student: $16210/25 = $648 per student

Data on the success of the collaborations:  
100% pass rate on NYS Certification Exams  
Over 80% of candidates either employed in high need districts or continuing their education upon graduation.
**Name of Institution:** SUNY Fredonia  
**Name of Project Director:** Barbara A. Kennedy  
**Telephone Number:** (716) 673-3531  
**E-Mail Address:** barbara.kennedy@fredonia.edu  
SUNY Fredonia-Seneca Nation of Indians STEP Program

**Name of P-16 Collaborations/Partnerships:** Science and Technology Entry Program

**Deliverables:**
Academic support in Math & Science  
Instruction in Laboratory Skills  
Career Planning/Development Assistance  
Academic Competition Participation  
College Visits  
Cultural Awareness Presentations  
Student Recognition Events

**No. of Students Served:** 43

**Collaboration:**
The Seneca Nation/SUNY Fredonia Science and Technology Entry Program (STEP) is a collaborative effort between the Gowanda, Lakeshore, Silver Creek, and Salamanca City School Districts and the Seneca Nation of Indians. It is a project that targets seventh through twelfth grade underrepresented or economically disadvantaged students for entry into scientific, technical, and health-related postsecondary degree programs. The Seneca Nation/SUNY Fredonia project is specifically aimed at Native American students who attend the Tri-District schools, which includes the Cattaraugus and Allegany Territories. The SUNY Fredonia program provides academic advisement, career counseling, mentoring, tutoring, and research and internship opportunities, as well as cultural enrichment activities.

The Seneca Nation/SUNY Fredonia STEP additionally will address Funding Priority D-program services designed to improve students’ eighth grade assessment test scores. A primary goal of the academic year activities is to encourage a positive attitude toward the science, mathematics, and technology-oriented disciplines on the part of students and to increase their skills, knowledge, and achievement through motivational, relevant, and persistent curricular materials, including transition curriculum activities designed for American Indian youth, and Environmental Science enrichment activities of the Haudenosaunee.

Another goal of the project is to increase the percentage of 8th grade students scoring in levels 3 and 4 for mathematics and science and to improve student scores on the Science and Mathematics Regents exams (and other evaluative measures) and college entrance measures. The ultimate goal is to increase the numbers and percentages of students graduating from high school and going on to college in the Science, Mathematics, and Technology areas.
Name of Institution: SUNY Geneseo  
Contact Person: Sharon M. Peck, PhD  
Telephone: 585 245 5072  
Email: peck@geneseo.edu

Name of P-16 Collaborations/Partnerships: Teacher Leader Quality Partnerships  
SUNY Geneseo School of Education, College of Arts and Sciences partners with the Rochester City School District.

Deliverables to the student/participant

Participating students/participants receive the following:
- more than 40 hours of ongoing professional development in the schools;
- materials, supplies, and books for their classroom instruction;
- study groups focused on literacy instruction for urban students;
- support in administering assessments and analyzing assessment data for instructional planning purposes.

Number of Students served:
30-35 teachers are full participants each year; also approximately 15 student teachers often participate and an additional number (generally around 10) of other teachers from participating schools receive training and mentoring. Also, preservice teachers from SUNY Geneseo often participate in some of the activities. (A total of 45-65.)

Cost per student:
The cost per participant is approximately $800.

Data on the success of the collaborations: With all the participating schools, the levels of student achievement in English Language Arts has improved consistently. The levels of improvement in School 58 is so high that in 2007 it received one of the seven National Change Awards. This school has achieved high test scores in Math, Science, Social studies for the past three years and its ELA scores have improved consistently.
Name of Institution: SUNY Morrisville  
Contact Person: Lee Excelle  
Telephone: (607) 334-5144  
Email: excelllb@morrisville.edu

Name of P-16 Collaborations/Partnerships: Liberty Partnerships Program

The Morrisville State College Liberty Partnerships Program is a twelve-month, school-based academic enrichment model with 18 years of success in improving the academic and career outcomes for at-risk youth.

Deliverables to the Student: MSC LPP provides myriad services and programs to both students and their families including: college level courses (Advanced Placement coursework held in school districts and The Freshman Experience, a two-credit course held on MSC campus with free tuition for Liberty students); SAT classes; parenting workshops; job training and career advancement programs; internships; job-shadowing; conflict resolution, anger management and mediation training (RESOLVE I, II and III); college visits; acting as a referral source for counseling services (academic, family, crisis, etc); Peer Leadership and Peer Mentoring; community service projects; tutoring and enrichment activities; and scholarships to graduating seniors.

Enrollment: 201 students

Cost per student: $1,056 per student from LPP and $302 per student from other sources.

Results
The Morrisville State College Liberty Partnerships Program has reported an average on-schedule graduation rate of 92% and an average overall graduation rate of 98.42% since 2001. In the last five years, an average of 73% of graduating seniors have enrolled in college, 11.3% have enlisted in the armed services and 13.4% accepted employment.

Where were SUNY Morrisville LPP Grads headed in 2007?
Art Institute of Pennsylvania, Broome Community College, Cazenovia College, DeVry University, Florida Institute of Technology, Florida State College, Herkimer Community College, SUNY Delhi, SUNY Morrisville, Syracuse University, Thompkins-Cortland Community College
**Name of Institution:** SUNY Morriville  
**Contact Person:** Jon Clayson  
**Telephone:** 716-492-9300 ext 1510  
**Email:** Jclayson@pion.wnyric.org

**Name of P-16 Collaborations/Partnerships:** Learn and Serve America

SUNY Morrisville, Pioneer Pro, Pioneer Corps, Pioneer FFA, Wyoming County Cooperative Extension

**Deliverables to the student:**  
3 college credits, plus local high school credits

**Number of Students served:**  
Actual numbers are unknown at this time but roughly 1300 students

**Cost per student:**  
Unknown at this time

**Data on the success of the collaborations:**  
Increased the Graduation Rates by 5%, 3rd place in local Envirothon Competition, Many appreciation awards for all the community work,
Name of P-16 Collaboration/partnership: Science and Technology Entry Program
SUNY New Paltz C-STEP
Dutchess Community College C-STEP
Newburgh Enlarged City School District
New Paltz Central School District
Kingston City School District (new for 07-08)
Middletown City School District
Poughkeepsie City School District
Hyde Park Central School District
SUNY New Paltz School of Education

Deliverables to the students:
Tutoring; Study Skills workshops
Presentation and Interview Skills
Campus visits tours
SAT Prep; Regents Prep.
Science Labs
Career counseling
Education counseling
Financial counseling
Library Research skills
Mathematics classes
College readiness
Technology Workshops

Number of students served:
2002-2003: 98
2003-2004: 100
2004-2005: 108
2005-2006: 92
2006-2007: 120

Data on Success of the collaborations:
2002-2003: 10 of 11 graduating seniors entered college, 7 in STEP targeted fields.
2003-2004: All 10 graduating seniors entered college, 6 in STEP targeted fields
2004-2005: 16 of 18 graduating seniors entered college, 7 in STEP targeted fields.
2005-2006: 11 of 12 graduating seniors entered college, 10 in STEP targeted fields.
2006-2007: All 5 graduating seniors entered college, 3 in STEP targeted fields, and 1 senior is participating in C-STEP.
Name of P-16 Collaboration and Partnership – listed below with brief descriptions.

(1) Institute of Creative Problem-Solving for Gifted and Talented Students

To help the talented students to develop their full potential, the Institute was founded to offer creative problem-solving training to selected gifted and talented students of grades 5 – 10 from Long Island schools during the past 15 years.

The Institute is one of the most competitive programs in the nation as each year approximately 1,000 outstanding students are nominated by school principals for 75 available seats. As the Institute is supported by private foundations and volunteer parents, this competitive program is offered free of tuition so that all deserving students can afford the opportunity to learn creative problem-solving without any financial barriers and regardless of their family’s financial situation.

The impact of the program activities and accomplishments:

- 1,150 gifted and talented students benefited during the past 15 years
- Study topics not covered in the standard school curricula
- Develop ability to devise problem-solving strategies and multiple approaches
- Acquire important mathematical and scientific ideas and creativity
- Broaden mathematical and scientific intuition and brain power
- Experience thrill of discovery associated with creative problem-solving
- Numerous current students and alumni received awards at national and international academic competitions. For example, over 100 alumni of this Institute received Intel Awards and Siemens Westinghouse Awards.

(2) Institute of Leadership Training for Teaching Mathematics and Technology

To help alleviate the serious shortage of qualified mathematics teachers, the Institute was founded 21 years ago. The Institute trained over 600 teachers of different grade levels (K-12) by alternating training opportunities for three groups of teachers of K-5, 6-8 and 9-12 during the past 21 years.

The main objective of the Institute is to develop a core of 25 in-service teachers each year who are trained in the latest approaches to integrating mathematics with technology and who will, in turn, train their peer teachers in their school districts. Additionally a number of mathematics education students (pre-service teachers) are selected to participate in the program that provides specific training to teach in high need school districts. The participants receive 75 hours of professional development instruction.
The impact of the program activities and accomplishments:

- During the past 21 years, over 600 teachers from Long Island and New York City have been trained.
- Offer 75 hours of professional development instruction and teachers received 5 service credits from their school districts.
- Developed innovative approaches and implementation for class teaching
- Participant teachers demonstrated a measurable increase of 32.5% in problem-solving ability by pre-test and post-test.
- Improved academic standard of student learning of mathematics as demonstrated a measurable increase of 35.9% problem-solving ability.
- Implemented and integrated enhanced pedagogy in high need schools
- Disseminated new approaches and increased number of qualified teachers through in-service training and conference.
- Produced effective leaders of mathematics education locally and nationally. Many alumni served presidents of various mathematics teachers associations and directors of mathematics of school districts
- Produced many nationally known mathematics educators and contributing lead teachers who give workshops and presentations at conference of local, state and national levels.

(3) Annual Long Island Mathematics Education Conference

To embark on an effective movement to promote mathematics education, the Annual Mathematics Education Conference was initiated in 1986. The theme of the first annual conference focused on “The Crisis in American Mathematics Education” on March 20, 1987. The conference became an annual event participated by over 500 mathematics educators from Long Island, New York City and beyond. Many education majors (pre-service teachers) from local colleges also attended the conference. The conference has become the largest one-day regional mathematics education conference in the nation.

The impact of the conference:

- In the 21 years of its existence, over 10,000 mathematics educators have benefited from the conference
- The conference enriched the curriculum in mathematics education at local colleges
- The conference enhanced and promoted mathematics education in the metropolitan New York City area
- The conference provided new ideas for school teachers to enrich their mathematics courses, using technology
- The conference helped improve teacher certificate programs in mathematics for education majors
- The conference helped to forge a liaison between Long Island and New York City mathematics educators
- Through the conference, creative ideas and professional experiences are shared to promote the common goal – improvement of the quality and vision of mathematics education.
(4) Long Island Mathematics Scholarship Foundation for Minority High School Seniors

The Scholarship Foundation was established in 1990 to encourage minority students to major in mathematics at the college of their choice. The Foundation has been awarding $1,000 annually to each of three to five minority high school seniors at the Annual Long Island Mathematics Education Conference during the past 17 years.

Impact of the Scholarship Foundation:

- A total of 52 minority high school seniors received the scholarships
- All scholarship winners completed their college education in mathematics or science and more recent winners are attending their colleges and universities.
- Many of the winners are now teaching mathematics at high schools or colleges.

(5) Pre-Service Mathematics Teachers Workshop and Mentoring

A number of teacher education majors (pre-service teachers) are selected to be included in the in-service teacher program – Institute of Leadership Training for Teaching Mathematics and Technology. Each year 25 in-service teachers and five pre-service teachers closely interact in all facets of the training for full participation in discussion and all workshops to learn current and innovative pedagogical skills. Pre-service teachers participate in class observations of in-service teachers under the supervision of program staff. The project staffs are acting as their mentors for learning, training and obtaining teaching position.

Impact of the workshop and mentoring:

- Pre-service teacher participants receive 4 college academic credits for the course “Foundation of Mathematics”
- Pre-service teachers acquire many aspects of mathematics education in discussion on various educational issues with experienced in-service teachers
- Learn mathematics content and pedagogical skills
- Enhance their possibilities of obtaining teaching position by introduction of the in-service teachers
- Previous participants are now teaching at high needs schools in Long Island and New York City

(6) Nassau Mathematics Tournament – Annual Contest

The College at Old Westbury hosts two different mathematics tournaments each year in conjunction with the Nassau County Interscholastic Mathematics League and Mathematical Olympiads for elementary and middle schools. The one day high school contest is held on the first Friday of February and middle school contest is held on the first Friday of April. Each year over 550 high school students from more than 30 school districts participate in the high school contest.

Impact of the Tournament:

- The mathematics contest has become the largest face-to-face mathematics competition in the New York State
- Promotes interest and enthusiasm for problem solving among students
- Improves the students’ ability and vision to succeed in science and mathematics
Name of Institution: SUNY at Old Westbury  
Contact Person: Jong Pil Lee, Project Director  
Telephone: (516) 876 – 3261  
Email: leej@oldwestbury.edu

Name of P-16 Collaborations/Partnerships:  Teacher Leader Quality Partnership

- Institute of Leadership Training for Teaching Mathematics and Technology
- Institute of Creative Problem-Solving for Gifted and Talented Students
- Mathematics Olympiads for Elementary and Middle Schools
- Pre-service Teacher Workshop and Mentoring
- Long Island Mathematics Scholarship Foundation for Minority High School
- SeniorsNassau Mathematics Tournament

Deliverables to the Students:

- 75 hours of professional development instruction
- 5 service credits from their school districts
- 4 college credits for the course “Foundations of Mathematics”
- Participation in Annual Mathematics Education Conference

Number of Participants:

Each year 25-30 in-service teachers participate.

Cost per Participant:

The cost is approximately $2,000 per participant.

Data on the Success of the Collaborations

- The in-service teacher participants demonstrated an average increase of 32.5% in problem-solving ability by pre-test and post-test
- Students in their classes increased 35.9% in problem-solving ability as demonstrated by pre-test in October and post-test in May
- Two project staff members and the project director were inaugural inductees for the Long Island Mathematics Educators Hall of Fame (on September 28, 2006)
- The project director, Jong Pil Lee received the U. S. Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring (on November 16, 2005)
The SUNY Oswego Liberty Partnership Program’s mission is to provide lasting and systemic supportive interventions and opportunities to help students fulfill the promise of their futures by first graduating from high school and subsequently going on to succeed in post-secondary education and in the workforce. The SUNY Oswego Liberty Partnership Program is a comprehensive pre-collegiate/school dropout prevention initiative designed through a collaborative effort of the SUNY Oswego School of Education and representative leaders of participating school districts. The program targets students enrolled in grades 5 through 12 in a geographic range that spans 452 miles of Oswego County.

Deliverables to the Student:

Student Enrollment: 245 students.
Cost per Student: $817

Deliverables to the Student: School and Campus-based supplemental education services, including summer and academic year tutoring & homework assistance, Regents Review; SAT Prep and enriched academic courses; case management; academic, personal & family counseling; crisis intervention & advocacy; college/career exploration and placement assistance; summer enrichment programs and internships; field trips; home visits, parent workshops; cultural enrichment; mentoring; field trips; college tours

Result of Successful collaborations:

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<th></th>
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<tbody>
<tr>
<td>Student/School Persistence</td>
<td>99.7%</td>
<td>100%</td>
<td>94.9%</td>
<td>96.7%</td>
</tr>
<tr>
<td>College/Workforce Entry</td>
<td>92.8%</td>
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<td>100%</td>
<td></td>
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</table>

Where were College-Bound SUNY Oswego LPP grads headed in 2007?
Bryant & Stratton, Cayuga Community College, LeMoyne College, Onondaga Community College
Name of Institution: SUNY Oswego  
Contact Person: Barbara Beyerbach, Marcia Burrell  
Telephone: 315-3122650  
Email: beyerbac@oswego.edu, burrell@oswego.edu

Name of P-16 Collaborations/Partnerships: Project SMART

**Deliverables to the student:** teacher and preservice teacher professional development for k-12 schools

**Number of Students served:** 116 teachers, preteachers, higher education faculty AND their K-12 students

**Cost per student:** receives $238,000 per year from NCLB TLQP and $25,000 per year from Entergy.

**Data on the success of the collaborations:** Validated through NYS Sharing Successful Programs; Demonstrated improvements on teacher learning and student achievement

**Project SMART**  
Project SMART is a school/business/university partnership among the Oswego County Schools, the Teacher Center, the Syracuse City School District, several New York city school districts, several regional business and community organizations and SUNY Oswego. Project SMART’s purpose is the improvement of P-12 teaching through an inquiry-based approach that emphasizes how schoolwork is connected to learning in the real world of work. Project SMART supports the Onondaga Nation Partnership, which engages literacy graduate students in tutoring in reading, writing, and oral language to Native American students.
Name of P-16 Collaborations/Partnerships: SUNY Plattsburgh – Office of Volunteerism, Plattsburgh CSD and Champlain Valley Family Services Center Learn and Serve America Program

Deliverables to the student: This partnership promotes volunteerism, civic engagement and service learning throughout the college student body; provides for the practical application of academic skills, college credit and internships for students from Education and Human Development and Family Relations Departments; develops mentoring and tutoring programs and services for over 1,000 area K-12 students; assists in the implementation and evaluation of elementary middle school service learning projects, data input and other office work; and matches college students with local community based organizations and schools in need of volunteers.

Number of Students served: Approximately 125 college students per year provide service to 1060 K-12 students.

Cost per student: (1-The cost per student by the primary funding source; and 2- The cost per student with any additional grants/contracts that the program may have in addition to the primary funding source)
1. $79.25  2. $17.37

Data on the success of the collaborations:
Over the last five years seventy-five percent of all volunteers and mentors involved in this service learning program have been Plattsburgh State students; They provide approximately 2,000 hours of service per year to their community and schools. Momot Elementary fourth graders involvement in service learning literacy activities has helped improve their 2004 ELA scores from 45% of the students meeting or exceeding state standards to over 74% of the students meeting or exceeding state standards in 2005. In 2006, 91% of the elementary students in the mentoring program indicated an improvement in social competencies and 88% of the mentors noted mentee growth in these competencies. Furthermore 100% of community members felt more connected to students and 84% of the Learn and Serve students felt more connected to the community.
NCSTEP at SUNY Potsdam collaborates with six schools in four local school districts including Salmon River, Massena, Potsdam, and Madrid-Waddington. We also have a good working relationship with other educational and government programs on the nearby Akwesasne Mohawk Reservation. NCSTEP at SUNY Potsdam also partners with the CSTEP program at Potsdam and the CSTEP and STEP programs at Clarkson and St. Lawrence University. The ALCOA Foundation offers substantial support for our program as well.

**STEP at SUNY Potsdam provides the following services:**
- Math and science enrichment opportunities
- Career awareness presentations, site visits, and activities
- Internship opportunities
- Post-secondary preparation (including, but not limited to, financial aid topics, college application workshops, SAT/ACT preparation, college visits)
- Study skills workshops (including, but not limited to, test taking, time management, organization, stress management, note taking, reading comprehension)
- Counseling
- Tutoring
- Appropriate field trips
- Cultural activities
- Community service activities
- Mentoring
- Residential Summer Math and Science Camp

NCSTEP served the targeted 180 students during 2006-07.

NCSTEP has had a very high rate of success over the past five years. We have seen 100% of our students graduate from high school over the past five years, with 96% of them entering into post-secondary institutions. We have increased the numbers we serve from 120 to 180 over the last several years, which includes an increase in male participants as well. NCSTEP has also received recognition and support from the college and its Center for Diversity. The program has received additional monetary support from the ALCOA Foundation for community based partnerships.
Name of Institution: SUNY Potsdam  
Contact Person: Julie Reagan  
Telephone: (315) 267-3162  
Email: reaganjl@potsdam.edu

**Name of P-16 Collaborations/Partnerships:** Teacher/Leader Quality Partnerships (TLQP)

**Deliverables to the student:**
- Workshops in writing (and in how to teach writing) for pre-service teachers, focusing particularly on topics relevant to upcoming teaching duties.
- Workshops on childrens’ literature, held by visiting authors (Author’s Visit).
- Summer series of three 5-7-hour seminars, to develop effective teaching strategies among pre-service teachers above and beyond what they receive in their coursework. Includes strategies for classroom management, integrating community and school cultures and goals, and strategies for supporting childhood and adolescent struggling readers.
- Attendance at the New York State Reading Conference and TLQP’s *Teachers as Writers Conference* to witness education professionals engaged in professional development.
- Workshops for in-service teacher participants on relevant writing and teaching topics.
- Mentoring of pre-service teachers by in-service teachers.
- Encouragement of in-service teachers to participate in the development of teacher preparation programs.
- Activities to broaden the understanding of local cultural activities and beliefs (especially that of the Akwesasne community) on the part of college faculty in-service teachers, and pre-service teachers.

**Number of students served:** Annually, the project has approximately 295 participants.

**Cost per student (Annually):** (1-The cost per student by the primary funding source= $111,000/295 = $376.27; and 2- The cost per student with any additional grants/contracts that the program may have in addition to the primary funding source=$319,000/295=$1081.35)

**Data on the success of the collaborations:**
- Overall, attendance by both in-service and pre-service teachers at TLQP events increases each year.
- There has been a significant increase—from 45 % to 79 %—in participants working in teams across school communities in order to improve the teaching and learning environments within the district.
- More than 75% of our in-service participants report that they have implemented into their classroom instruction ideas learned at TLQP events.
- When in their own schools, 58 % of the in-service participants have offered turnkey training to their colleagues on material learned in TLQP sessions.
- A number of pre-service participants have shared what they learned in TLQP workshops by giving presentations to fellow students at Potsdam.
**Name of Institution**: SUNY Potsdam  
**Contact Person**: Diana Fisher  
**Telephone**: 315-267-2745  
**Email**: fisherdg@potsdam.edu

**Name of P-16 Collaborations/Partnerships**: TLQP, CSTEP, EOP, Salmon River Central School District (SRCSD), SUNY Potsdam Student Support Services (SSS), SUNY Potsdam Center for Diversity (CFD), North Country Science and Technology Entry Program (NCSTEP) and Potsdam Akwesasne Talent Search Program (PATS)

**Deliverables to the student**: TOC provides its eligible education majors with academic and professional development activities, which include academic advising, career and personal counseling, assistance in resume preparation and portfolio development, best practices in teaching seminars to learn the successful methods to teach at-risk students, educational conference opportunities such as participation in the Akwesasne Conference, professional etiquette workshops, and financial support for books to prepare for the New York State Teacher Certification Exams and payment of the registration fees for these exams.

**Number of Students served**: 20-26 students

**Cost per student**: Funded by the New York State Department of Education the TOC grant provides $810/student for 26 students. SUNY Potsdam provides additional funding at $240/student for 26 students.

**Data on the success of the collaborations**: TLQP and TOC collaborate successfully on the Best Practices in Teaching Seminars, the Akwesasne Conference, Workshop on Resume and Cover Letter Writing, Professional Etiquette and Dining Skills Seminar, and Awards programs for the student participants; The Akwesasne Conference held each year at the St. Regis Mohawk School, an elementary school on the Reservation where the students are 100% Mohawk, provides participants with an excellent introduction to the history and culture of the Mohawk people and an orientation to the school district; The SRCSD Director of Instruction states that of the teachers hired by SRCSD, about 80% are recent graduates of the SUNY Potsdam TOC program; TOC and SSS collaborate on the Akwesasne Conference, Best Practices in Teaching Seminars, Professional Etiquette and Dining Skills Seminars, numerous academic workshops, and the Annual Awards Ceremony; TOC and EOP collaborate on recruitment of TOC members, academic workshops, the Akwesasne Conference, and the Best Practices in Teaching Seminars; TOC and NCSTEP collaborate as TOC members serve as mentors for NCSTEP seniors when they visit the College on Mentor Day for Seniors. TOC members serve as tutors for NCSTEP students and assist on the committee to plan for NCSTEP “A Day of Service” program; and For 20 years, the PATS program at SUNY Potsdam has met successfully its goals and objectives. TOC collaborates with PATS when TOC members serve as mentors during visits by PATS students to the College.
Name of Institution: SUNY Rockland
Contact Person: Cathlene Cruz
Telephone: (914) 574-4140
Email: ccruz@sunyrockland

Name of P-16 Collaborations/Partnerships: Liberty Partnerships Program

The Liberty Partnerships Program at Rockland County Community College offers comprehensive pre-collegiate dropout prevention programs and services to the youth of Rockland County. Developed 19 years ago through the vision of the President and the leaders of East Ramapo, North Rockland, Nyack, Spring Valley school districts, this LPP is shaped to address, by design and with purpose, the unique personality and needs of each community.

**Deliverables to the Student:** Supplemental education services through school and campus-based venues that include enriched developmental and advanced academic courses, academic coaching, tutoring and homework assistance, Regents Review and SAT prep; academic advisement, personal and family counseling; crisis intervention; college/career exploration and placement assistance; college transition counseling for alumni; cultural enrichment; field trips; parent engagement & support. Bi-lingual advisement available.

**Enrollment:** 130
**Cost per student:** $725

**Where were Rockland Community College LPP Grads headed in 2007?**
CUNY Brooklyn College, Fordham University, Monroe College, Rockland County Community College, St. Thomas Aquinas
Name of P-16 Collaborations/Partnerships: Liberty Partnerships Programs

Stony Brook’s LPP offers comprehensive pre-collegiate dropout prevention services to middle and senior high school in the Brentwood School District.

**Deliverables:** Supplemental education services including homework assistance, tutoring, Regents Reviews and SAT Prep; academic, personal and family counseling services; crisis intervention; college/career exploration and placement assistance; mentoring; cultural enrichment; field trips; parent engagement and support

Enrollment: 130 students
Cost per Student:

**Where were SUNY Stony Brook LPP Grads headed in 2007?**
Nassau Community College, St. Joseph’s College, Suffolk County Community College
Name of P-16 Collaborations/Partnerships: Environmental Education Camp for ages 11-15

Deliverables to the student
- Campers participate in hands on, field oriented projects to become stewards of our natural resources and receive academic support for majoring in environmental science field.
  - Strout Stream Habitat Assessment
  - Open space stewardship program
  - Northern bob white Quails or Habitat Restoration
  - Ornithology
  - Entomology
  - Pond Study
  - Interpretive Nature Trail
  - Water Quality
  - Shell Fish Restoration
  - Wood Duck Nest Box

Number of Students served: 350

Cost per student: $500

Data on the success of the collaborations: 85% pursue environmental science major
1) **BioPREP Bridges To The Baccalaureate Program**
(Sponsored by National Institute of Health)

Encourages underrepresented students at community colleges who want to transfer to four-year schools and prepare for careers in the biological sciences.

**Number of Students served:**
Program has run continuously since 1993 and has served 24 students per year.

**Cost per student:**
Approx. $6000/year funded by National Institute of Health. Students receive a $3500 stipend.

**Data on the success of the collaborations:**
More than 85% of the students in the program go on to complete baccalaureate degrees (approx 40% at Stony Brook).

2) **Howard Hughes Medical Institute Undergraduate Fellowships.**

Provides support for high achieving undergraduate students engaged in research in the biological sciences.

**Number of Students served:** Program has run continuously since 1994 and has served 15 students per year.

**Cost per student:** Students receive a $3500 stipend and room and board for the ten weeks summer program.

**Data on the success of the collaborations:**
100% of the students have graduated.

3). **National Institute of Health Minority Access to Research Careers (MARC program)**

Aims to increase the number and capabilities of scientists from under-represented minority groups in biomedical research.
**Number of Students served:** The program has been running since 1997 and 85 students have participated.

**Cost per student:** Provides students with an $11,000 stipend plus $3000 tuition plus $1000 travel allowance, funded by the National Institute of Health.

**Data on the success of the collaborations:** To date students in the program have received the following advanced degrees 8 MDs, 8 PhDs, 13 MS degrees and 1 DDS. Additionally, 25 students are presently working on MD and/or PhD degrees and 10 on MS degrees. One former student is now a faculty member at Stony Brook.

4. **Biotechnology Teaching Labs (BTL)**

Introduces middle and high school students to biotechnology, molecular biology and forensics laboratory work

**Number of Students served:**
The program has been running since 1995 and has served increasing numbers of students each year (approx 4000 students in 2007).

**Cost per student:**
$17 per student per lab paid by the school district or student. Students from high needs schools are funded by the Howard Hughes Medical Institute.

**Data on the success of the collaborations:**
Has drawn students from 85% of the school districts on Long Island.

5) **Biotechnology Summer Camp**

Four-week residential camp introducing high school students to biotechnology research

**Number of Students served:**
The program has been running since 1995 and serves 24 students per year.

**Cost per student:** $1975 per student paid by the student.

**Data on the success of the collaborations:** 24 participants are selected from approx 100 applications per year. The program has generated 21 Intel Science Search Semifinalists since its inception with one 10th place finalist.

6) **Howard Hughes Medical Institute High School Scholar Program**

Teaches high school students from ten high needs Long Island School districts the concepts and techniques commonly used in modern biotechnology

**Number of Students served:** The program has been running since 1994 and has served approx 24 students per year.
Cost per student: Approximately $2500 per student funded by HHMI. Provides a $300 stipend for the student.

Data on the success of the collaborations: More than 25% of participating students enroll at Stony Brook University.

7) Howard Hughes Medical Institute Middle School Scholar Program

Two week summer program introducing middle school students from three very high needs partnering school districts to microbiology, cell and molecular biology.

Number of Students served: The program has been running since 2001 and has served approx 55 students per year.

Cost per student: Approx cost = $300 funded directly by HHMI

8) Explorations in Forensics Camp

Introduces high school students to the techniques and procedures used in Forensic Science

Number of Students served: The program has been running since 2005 and serves approx 20 students per year.

Cost per student: Approx cost = $300 funded by the students.

9) Science Exploration Camp

Programs for Middle and early high school students helping them gain experience and skills in laboratory work.

Number of Students served: The program has been running since 1996 and serves approx 55 students per year.

Cost per student: Approx cost = $350 funded by the students.

10) Meaningful Advantageous Tactical Hands-On (MATH) Program

Through the use of hands-on fun activities, students will gain an appreciation of mathematics that is pragmatic and useful.

Number of Students served: The program has just started in 2007 and serves approx 7 students

Cost per student: Approx cost = $125 funded by the students.
Name of P-16 Collaborations/Partnerships:  STEP – CEMS “Green Batteries” High School Program- *A practical lab experience for underrepresented minority students*

- Leverage NYS STEP Program
- M. Beg implements and co-ordinates the program and discusses environmental and health aspects of batteries
- Prof. C. Grey discusses chemistry behind battery design
- Students construct and evaluate different batteries in lab with help of grad students

**Deliverables to the student:** 1 College credit over the semester long “Saturday Mentoring Program”

**Number of Students served:** 8 minority HS students 24 over three years 2004-2006)

**Cost per student:** Data not available

**Data on the success of the collaborations:** Program demand is a measure of success

Name of P-16 Collaborations/Partnerships:  STEP – CEMS “Students as Environmental Stewards and Leaders of Tomorrow”- *A hands-on field and lab experience for underrepresented minority students*

- Leverage NYS STEP Program
- Students collect environmental data in field and analyze data in the lab with help of grad students
- The students perform a series of experiments in CEMS laboratory with supervision and guidance provided by Mirza Beg. The experimental program starts with a series of lectures designed to introduce the students to environmental problems facing the world today that are followed by field work and lab analysis.

**Deliverables to the student:** 1 College credit over the semester long “Saturday Mentoring Program”

**Number of Students served:** 8 minority HS students (2007)

**Data on the success of the collaborations:** The material presented in this project is not given in traditional high school courses. The students face challenges that are traditionally not offered in high schools. Students get involved with hands on environmental chemistry, and they learn how to conduct research and how to present research findings.
Name of P-16 Collaborations/Partnerships: Teacher Opportunity Corps,

Deliverables to the student: College/career/financial aid counseling; mentoring, workforce preparation and entrepreneurship.

Number of Students served: 350 approximately.

Cost per student: $1,000 per student.

Data on the success of the collaborations: 85%
Name of institution: SUNY Stony Brook
Contact person: Dorys M. Johnson
Telephone: 631-632-8773
Email: dmjohnson@notes.cc.sunysb.edu

Name of P-16 Collaboration/Partnership: Science and Technology Entry Program (STEP)

Deliverables to the students: academic support, college credit, research experience, career, college, financial aid counseling, summer residential program

Number of students served: 253

Data on the success of the collaborations: Success over the past 5 years of the program. Statewide/national honors or recognition awards.

Over the past five years:

201 going on to postsecondary study

398 students with an average of 90 or above

50 students who attend the summer program for three years went on to major in STEP

29 students received full tuition scholarships to four year universities.
Suffolk County Community College

Name of Institution: Suffolk County Community College
Contact Person: Nina Leonhardt
Telephone: (631)451-4607
Email: leonhan@sunysuffolk.edu

Name of P-16 Collaborations/Partnerships: Liberty Partnerships Program

Suffolk County Community College provides comprehensive pre-collegiate dropout prevention services to at risk students enrolled in grades 5 through 12. SCCC’s LPP has a strong working collaboration with Brookhaven National Laboratory (BNL); LPP participants have toured the site and have served as BNL interns. In addition, SCCC’s LPP participated in the GEM Nursing mentoring program through USDOL. This program provided on-line exposure to nursing fields.

Deliverables to the Student: (1) College preparatory coursework; (2) Suffolk County Community College’s Freshman Seminar (leads to 1.5 college credits); (2) multi-cultural awareness; (3) team building experiences; (4) student and parent empowerment activities; (5) LPP clubs; (6) LPP Web site and newsletter publishing; (7) tutoring (on and off site) and counseling ; (8) 8\(^{th}\) Grade ELA, Mathematics, Science and Social Studies test preparation sessions; and (9) SAT preparation classes and Regents review sessions.

Enrollment: 346
Cost Per Student: $276 (we service well over the number of students proposed).

Results: On average, 75% of SCCC’s LPP students pursue a college educations; 85% of all students are promoted to the next grade.

Where were Suffolk County Community College LPP Grads headed in 2007?
CW Post, Hartwick College, Suffolk County Community College, SUNY Delhi
Suffolk County Community College (SCCC) operates the Science and Technology Entry Program (STEP) under the leadership of Nina A Leonhardt. The contact information is as follows:

**Contact person:** Nina A Leonhardt  
**Telephone:** 631.451.4607  
**Email:** leonhan@sunysuffolk.edu

**Grades/levels served:** Grades 7-12  
**Type of Program:** Academic/Summer Program  
**Number of Enrolled Participants:** 254

SCCC currently operates a very successful STEP project that has serviced 150-260 students each year since 1986. Major program components include:

1. Exposure to career paths in allied health, robotics, technology, and the licensed professions.
3. Basic and advanced skill building in science, mathematics, and communication.
4. Critical thinking and problem solving using traditional and computer-based activities.
5. Enrichment in science, technology, and math.
6. Opportunities for research in robotics and allied health disciplines.

SCCC’s STEP has a strong working collaboration with Brookhaven National Laboratory. STEP participants have toured the site, participated in workshops, and have served summer internships on site.
Name of Institution: Suffolk County Community College  
Contact Person: Dr. Philip H. Christensen  
Telephone: 631-451-4137  
Email: christp@sunysuffolk.edu

Name of P-16 Collaborations/Partnerships: National Science Foundation STEM Scholarship Program (STEM = Science, Technology, Engineering and Mathematics)

Deliverables to the student: Tutoring and advising; field trips and seminars; job shadowing and internships; transition programs for graduates transferring to four-year institutions; monthly meetings; mentoring of STEM participants; collaborations with Brookhaven National Laboratory, Stony Brook University, and Dowling College

Number of Students served: 18/academic year currently; goal = 30/academic year

Cost per student: Cost is covered by the NSF Grant.

Data on the success of the collaborations: This five-year grant initiative is in its first year. Linked to STEP, it has successfully recruited students who are non-traditional within math and science education (i.e., including the underrepresented and women).
Name of Institution: Syracuse University
Contact Person: Sylvia DaLoia Martinez
Telephone: (315) 443-5181
Email: smartine@syr.edu

Name of P-16 Collaborations/Partnerships: Liberty Partnerships Program

Through the leadership of the Syracuse University School of Education, Reading and Language Arts Center and in collaboration with the School District, Syracuse University LPP serves as the first phase of early intervention for the city-wide Liberty Partnerships Program initiative. Syracuse University LPP provides direct pre-collegiate dropout prevention and senior high transition services to at-risk middle school students. SU LPP students transition into LeMoyne College LPP or Onondaga Community College LPP peer-support as they enter high school through a Special LPP Rights of Passage. 50 percent tuition scholarships are available to LPP students accepted through regular admissions to the University.

Deliverable to the Middle School Student:

- Year-round academic and socio-emotional support; during the academic year, students participate in two- or three-day per week school-based after-school program, and, in the summer, a four-week leadership program on the Syracuse University campus.
- Supplemental education services including, tutoring, homework assistance, study skill workshops, enriched developmental and advanced academic programs; college/career exploration; middle school to high school transition
- Case management, professional counseling and comprehensive case management services to students and their families. Family support includes ongoing contact and facilitation of their participation in Liberty Partnerships Program events and appropriate community services; Family Nights to foster connections between program staff and parents.
- Syracuse Region Liberty Partnerships Program-sponsored Dollars for Scholars Chapter provides scholarships to all qualified Liberty Partnerships Program students entering any form of tuition-driven postsecondary education, with the amount dependent on the funds raised for that year and number of Liberty Partnerships Program graduates.

Student Enrollment: 220

Cost per student: approximately $925-$1,000

Program Success Rates:

<table>
<thead>
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<th>Year</th>
<th>07-06</th>
<th>05-06</th>
<th>04-05</th>
<th>03-04</th>
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<td>Student/School Persistence Rate</td>
<td>100%</td>
<td>99%</td>
<td>100%</td>
<td>82.4%</td>
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<tr>
<td>Promotion</td>
<td>96%</td>
<td>96%</td>
<td>94%</td>
<td>94%</td>
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</tbody>
</table>

Thanks to collaboration among Syracuse-area Liberty Partnerships Programs, over the past five years, the Syracuse University program has averaged 80 eighth graders, or 90%, moving on to the ninth grade. This percent has increased steadily over last few years.
Grades/Class Levels Served: 7—12

Summer/Academic Year Program: Summer and Academic Year

Student Enrollment 2006—2007: 106

Name of P—16 Collaboration/Partnership:

- Partnership for Better Education, Syracuse City School District, Federal and State GEARUP Programs, Liberty Partnership Program, and Syracuse University’s Admission Office “I’m Going to College” Campaign
- Partnership for Better Education is a consortium comprised of the following institutions: Syracuse City School District, Syracuse University, LeMoyne College, Onondaga Community College, SUNY College of Environmental Science, and SUNY Upstate Medical University.
- Parents for Public Schools of Syracuse, Inc.
- Syracuse University’s Collegiate Science and Technology Entry Program (CSTEP)
- Syracuse University’s L.C. Smith School of Engineering and Computer Science PRIDE Office

Program Description:

The Science and Technology Entry Program (STEP) at Syracuse University has adopted a holistic approach to learning by placing special emphasis on real life applications in core academic subjects through hands-on activities. STEP program participants attend schools within the urban Syracuse area, four of the five suburban communities, and area private and parochial schools. This practical approach helps to prepare 106 students in grades 7-12 for the rigorous demands of an academic future in math and science. STEP’s key component is the Saturday Learning Academy, which focuses on advising, counseling, after-school and Saturday tutorials, field trips, college tours, a youth heritage empowerment book club, and a course that teaches web design. Workshops and cultural awareness programs both on campus and in the community are included as enrichment activities. Students have the opportunity to enroll in a Kaplan SAT course, a research scholars program, a mentoring program, and a professional development series that teaches students interviewing and networking skills for internships. To foster an environment that recognizes and encourages students to excel in the requisite math, science, and English courses, students in the program are inducted into the “Olympics of the Mind” Club each marking period for their academic performance. Students in the 11th grade can take advantage of Syracuse University’s Summer College for High School Students where they live on campus for six weeks and earn six college credits. The program works collaboratively with Syracuse University undergraduate student programs and offices to provide services to the students.

Deliverable Services:

- Saturday Learning Academy on Syracuse University’s campus—A program where emphasis is placed on real life applications in core academic subjects through hands-on activities.
2006—2007 Sample Lessons: Dissection of Fetal Pig, DNA mapping, leaf classification process, solving mysteries, creation of earthquakes, Ph indicators experiments, replication of genetic materials, chemical extraction of DNA from split green beans, use of topographic maps, and the exploration of chemical bases.

- Saturday tutorials with the assistance of several undergraduate student organizations
- Professional Development Series—Resume Writing and Mock Interview Workshops
- College Exploration—“Shadow Day” an annual event in which STEP students spend the day going to classes with Syracuse University Undergraduate students.
- Cultural Enrichment Activities—Broadway and Community Plays such as “Driving Miss Daisy, Gem of the Ocean, and Color Purple”
- Syracuse University Lecture Series—Les Brown and Nikki Giovanni
- Kaplan SAT Course for 11th and 12th grade students
- Sponsorship to Syracuse University’s Summer College for High School Students—11th grade students earned 6 college credits and lived on Syracuse University’s campus.
- College Tours of Fordham University, Hofstra University, Long Island University Brooklyn Campus, and College of Staten Island.
- Web Design Class and Youth Heritage Empowerment Book Club
- College Transition Workshops (i.e. admission applications, essays, scholarships, note-taking, time management, and study skills).
- SUNY ESF FAFSA Workshop for Parents and Students

Data on the Success of the Program:

Students Awards:

- High Honor Roll, Honor Roll, and Merit Roll each marking period.
- The average score for students taking the SAT exam during the 2006—2007 academic year was 1540.
- Outstanding Achievement Awards in English, Science, Math, and Spanish.
- Membership into the Bronze Club, Silver Club and Gold Club for Academic Excellence each marking period.
- Held leadership positions in student organizations.
- 8th Annual STEP Statewide Student Conference—Students won first place in the Technology Category for their Hovercraft Research Project.

Graduating Senior Awards 2005--2006:

- Induction into “Who’s Who of American High School Students”
- Four of the six graduating senior attended a four year institution in August. The remaining two students enrolled in local community colleges.
- One of the six male students received a full scholarship from Massachusetts Institute of Technology to major in either Mechanical or Electrical Engineering.
- Students have selected the following fields of studies as majors: Psychology, Electrical Engineering, Mechanical Engineering, Education, and Business Management.
- Students were accepted to the following postsecondary institutions: Buffalo State College, Cornell University, Lincoln University, Massachusetts Institute of Technology, Mohawk Valley Community College, Onondaga Community College, and SUNY Buffalo.
Graduating Senior Awards 2006--2007:

- Induction into “Who’s Who of American High School Students”
- Five of the eight graduating senior will attend a four year institution in August. The remaining three seniors will attend a local community college before transferring to a four year institution.
- Students have selected the following fields of studies as majors: Architectural Technology, Engineering, Human Services, Mechanical Technology, and Pre-Med.
- Students were accepted to the following postsecondary institutions: Case Western Reserve, Colgate University, Cornell University, Dartmouth College, Temple University, Rensselaer Polytechnic Institute, Rochester Institute of Technology, St. Lawrence University, George Court University, Onondaga Community College, SUNY Old Westbury, University of Rochester, University of Pennsylvania, and Xavier University.

2005—2006 Science and Math Profiles:

- 91% [50] of the 55 high school students were enrolled in either Regents or Advanced Placement Math Courses.
- 11 of the 26 eighth grade students were enrolled in Integrated Math 1. 8 of the 11 students passed their Regents exams.
- 4 of the 26 eighth grade students who were enrolled in Earth Science Courses passed their Regents Exams.
- 96% [53] of the 55 high school students were enrolled in either Regents or Advanced Placement Science Courses.
- 84% [48] of the students enrolled in science courses took Regents exams for their science courses. 54% [30] of them passed their exams with a 70 or above.

2006—2007 Science and Math Profiles:

- 9 of the 26 eighth grade students were enrolled in Integrated Math 1. 8 of the 9 students passed their Regents exams.
- 6 of the 26 eighth grade students who were enrolled in Earth Science Courses passed their Regents Exams.
- 80% [51] of the 64 high school students were enrolled in either Regents or Advanced Placement Science Courses.

Overall Program Awards:

- 89% [89]¹ of the students enroll in the program had overall GPAs of 70 and above. 28% of the students had GPAs between 70—79, 38% between 80—89, and 23% had GPAs that were 90 and above during the 2005—2006 academic year.
- 82% [87]² of the students enroll in the program had overall GPAs of 70 and above. 28% [25] of the students had GPAs between 70—79, 49% [42] between 80—89, and 23% [20] had GPAs that were 90 and above during the 2006—2007 academic year.
- Recognized by several educational, student, and community organizations as an exemplary program that prepares students for the pre-professional and technological fields.

¹ **Bolded Numbers** within brackets indicate the total number of STEP students in each category. The STEP program served a total of 100 students during the 2005-2006 academic year.

² **Bolded Numbers** within brackets indicate the total number of STEP students in each category. The STEP program served a total of 106 students during the 2006-2007 academic year.
Name of P-16 Collaborations/Partnerships: Teacher Leader Quality Partnership (TLQP) Enabling Mathematical Learning Environments (2006-07)

Deliverables to the student: The 2006-07 TLQP/EMLE supports teachers directly. Through their practice TLQP/EMLE impacts elementary and middle school age students. In 2006-07 the focus was on assisting teachers as they learned to differentiate instruction for students with special needs within their classrooms.

Number of Students served: 72 teachers were served by the 2006-07 TLQP project. Each teacher has approximately 18-22 students. Thus the project impacted at best approximately 1440 K-8 students.

Cost per student: Cost per teacher participating: $1000 per teacher per year; cost for students of these teachers approximately $50 per year. (Note: cost was determined by dividing the total amount of the grant by the number of teachers participating. However we also served preservice teachers whose cost is not in this figure. Thus this is the highest cost per teacher for TLQP. Teachers attending out-of-school seminars or workshops were paid the contractual rate by a MSP project with the same partnering groups. The TLQP project did not have sufficient funds to cover this cost. All other costs were part of the TLQP grant.)

Data on the success of the collaborations: (Success rates over the life of the program [or over the last five year period], statewide or national honors or recognition awards, etc…)

For the period 2006-07 all teachers reported improving both their mathematics content understanding as well as gaining strategies to teach mathematics more effectively to all their students. Twenty-four teachers completed more than 60 hours of professional development. In general the students of the teachers completing 60 or more hours of staff development improved on their state achievement test. In some cases, teachers were able to move their targeted students from level 1 thus meeting a goal of no students in their class below level 2 on state achievement scores for math.
Name of P-16 Collaborations/Partnerships
Name of College Course: Pre-Service Teacher Opportunity Corps Seminar

Deliverables to the student
Academic support through the graduate writing center, tuition assistance, and assistance with job search upon graduation

Number of Students served
Nine

Cost per student:
1) TOC provides 9 students with 3 credits ($1030 per credit) = $27,810
2) Teachers College matches the same amount for the second semester

Data on the success of the collaborations:
Unfortunately, Teachers College has no such data because it has not been tracked in the past. We plan to do so starting this year.
Learn and Serve America

**Name of P-16 Collaborations/Partnerships:** Three Village Central School District has an informal partnership with Stony Brook University through the work of Tom Lyon, consultant for the Learn and Serve America Grant and Jeanne Schnupp, Coordinator of Education and Business Advisory Alliance.

**Deliverables to the student:** During 2006-07 Three Village CSD students collected books for students in New Orleans, LA. In a partnership with Stony Brook University, Stony Brook students traveling to New Orleans to work on rehab projects during spring break transported many boxes of these books to New Orleans for distribution.

Restoration of a local, historic 11-acre farm site was planned. Work has not gotten underway for that project as yet.

Members of the Stony Brook University theatre department presented productions dealing with bullying to Murphy Junior High School students as part of the social and emotional literacy strand of the LSA grant.

**Number of Students served:**

Approximately 300 students attended anti-bullying presentations produced by the Stony Brook University theatre department.

**Cost per student:**

Not applicable

**Data on the success of the collaborations:**

Collaborations have been informal, making documentation of success rates difficult.
Collaborations: Union College’s Science and Technology Entry Program (STEP) collaborates with a number of facilities: Schenectady Board of Education; Schenectady High School; Career Center at Steinmetz; Mt. Pleasant Middle School; Oneida Middle School; Central Park Middle School; National Association of Black Engineers; Society of Hispanic Professional Engineers; and a new partnership with Nanotechnology Center.

Services to students: Academic Support – weekly tutorial sessions; SAT prep course, Regents Prep course; College Application Process assistance; Career Development workshops; During the 2006-2007 Summer and Academic Program Year we served 60 individual students. Males = 34 and Female = 26. African American Males = 22 and African American Females = 21. Hispanic/Latino= 4 and Hispanic/Latina = 0. Others = 12.

Success of Collaborations: All of our students who stayed with the program through their Senior Year have been accepted into 4 year colleges. 4 of our Junior high school students have been accepted into Union’s Summer Science program. 2 of our Junior high school students have been accepted into Union’s Women Engineers summer program. Students participate in the Annual Science and Technology Research Conference. In 2004, our High school STEP students received first place in Biological Science Research and our middle school students received second place in Engineering Technology. In 2006, our Middle school STEP students received first place in Biological Life Science Research; In 2007, our High school STEP students received first place in Biological Science Division and in 2007 our STEP students received the Spirit Award at the Monroe Community College Science Bowl.
Teacher Leader Quality Partnership

Name of P-16 Collaborations/Partnerships: Rochester City School district

Deliverables to the participants:

MATHEMATICS COMPONENT Collaborative development of the teacher leadership program; some implementation of the teacher leadership program; some teacher level professional development programs focusing on deepening mathematics content knowledge

ELA COMPONENT (Elementary) Partnership with School # 28 to provide an on-going PD program on literacy; (Secondary) PD with high school teachers focused on the development of performance poetry units

Number of Participants served: Typically about 150 participants

Cost per Participant: ~ $1486 / participant

Data on the success of the collaborations: Over the life of the project 2002 – 2005 student achievement scores on NYSED assessments in elementary and middle school mathematics (the primary focus of our work) have steadily improved. (We are not looking at the scores for 2005-06 as all the assessments changed with the new standards and the grade 3 – 8 testing.) On Math 4 the % scoring 3-4 has risen from 57 % to 72% and the difference between RCSD % and the state has closed from 22% to 13%. On Math 8 (though still pitiful) has risen from 10% to 20% and the difference between RCSD % and the state has closed from 41% to 35%.

We are not able to use ELA state assessment data to measure success of the ELA work as only a subset of teachers from 1 school participates in the elementary program and the secondary program consists of developing a single unit for ELA classes. However, we can report that more than 70 students participated in the Poetry Slam competition at the completion of the unit and a team from RCSD competed in the state and national competition.
Name of Institution: Utica College
Contact Person: Flossie Mitchell
Telephone: (315) 792-3237
Email: fmitchell@utica.edu

Name of P-16 Collaborations/Partnerships: Utica College Partnerships with School Districts

Young Scholars Liberty Partnerships Program (YSLPP)

This innovative and award-winning program is a collaboration between Utica College and the Utica City School District. Its goal is to help underrepresented middle and high school students earn an advanced Regents diploma and acquire the skills they’ll need to succeed in college. The Young Scholars program recognizes the important role that parents and guardians play in that process. Utica College offers Young Scholars graduates a special incentive: free tuition. To date, 33 Young Scholars LPP graduates have completed their bachelor's degrees at Utica College. Currently, 35 Young Scholars LPP graduates are attending Utica College. While the majority are undergraduates, two have earned bachelor's degrees at Utica College and are continuing on to pursue master's degrees.

Enrollment: 330 students in grades 7-12.
Per Student Cost:

Young Scholars Fast Facts

- Young Scholars is now in its 15th year of serving students of promise in the City of Utica.
- Fifty-five percent of YSLPP students are female, 45 percent are male, 87 percent are from minority or refugee populations, and 100 percent are from low-income households.
- The program boasts a 95 percent high school graduation rate for the nine classes that have completed the program, with 80 percent earning a Regents diploma. Ninety-five percent of the class of 2007 earned a Regents diploma or higher.
- Over the past eight years, more than 90 percent of Young Scholars have gone on to college, and those attending college have had an 80 percent persistence rate.
- YSLPP graduates from 2005, 2006, and 2007 are attending: Bennett College, Buffalo State, Colgate University, Daemen College, Hamilton College, Herkimer County Community College, Hobart William Smith College, Howard University, Hudson Valley Community College, Long Island University, Mohawk Valley Community College, New York University, Rochester Institute of Technology, Russell Sage College, St. Elizabeth College of Nursing, Syracuse University, SUNY Albany, SUNY Buffalo, SUNY Cobleskill, SUNY Institute of Technology, and Utica College.
Vaughn College

Name of institution: Vaughn College of Aeronautics and Technology
Contact person: Saralda Ortiz/Sharon McPartland
Telephone: (718) 429-6600 ext. 161/155
Email: Saralda.ortiz@vaughn.edu/sharon.mcpartland@vaughn.edu

Name of P-16 Collaborations/Partnerships: Science and Technology Entry Program

Number of students served: 65 - 110

STEP programs, activities, services, collaborations, and successes at Vaughn College

Summer Aviation Awareness Institute
This is a four-week exploration program for approximately fifty high school and middle school students to gain knowledge and experience various aspects of the aviation and technological industries. Course content includes: introduction to aeronautics, flight dispatch, flight simulator instruction, bridge and model plane building and electronic circuits. Upon completion of the program, there is a student recognition award ceremony, which includes a glider competition and student project presentations. Students who successfully complete the program earn a recognition award, one high school credit and are eligible for scholarships at Vaughn College.

Middle School Mentoring Program
STEP students are invited to attend and encouraged to partake in other college activities such as Career Day, aviation seminars, community events, fieldtrips to industry sites, guest speakers and more. Vaughn College's middle school mentoring program aims to improve students' academic performance and participation in the areas of math and science and increase the number of students who are prepared to enter college.

Academic Bridge Program
Throughout the academic year, Vaughn College offers an advanced placement physics course at Aviation High School. Students have the opportunity to obtain academic and career advisement, tutoring/mentoring at the college's Academic Resource Center, and upon successful completion of the course applicable college credit.

For the past two years, the Academic Bridge Program has also assisted with the funding associated with the Robotic Club at Aviation High School. This club expands and enhances not only the students' math, science, and technology skills, but also assists in the development of leadership skills and teamwork abilities. This past year, the Aviation High School robotics team placed with the second highest award, The Engineering Inspiration Award at the Long Island Regional. This allowed them to continue on and compete on a national level in Atlanta, Georgia.

These programs aim to improve retention and foster a network of support. STEP has partnered with Upward Bound Program and is in the process of coordinating parental activities, increase awareness of child's academic needs.